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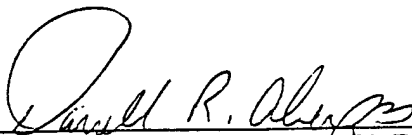
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Darrell R. Abernethy, M.D., Ph.D.  
Principal Investigator

16 Aug, 1997  
Date

STUDY REPORT

HALOFANTRINE AS PROPHYLAXIS AGAINST MALARIA: MULTIPLE-DOSE  
SAFETY, TOLERANCE AND PHARMACOKINETICS STUDY

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# TABLE OF CONTENTS

Title Page.....	1
Table of Contents.....	2
Discussion of Study.....	3-9
References.....	10
Appendices.....	11-102
Table 1 (Subject Demographics).....	12
Table 2 (Randomization Code).....	13
Table 3 (Study Participation Dates).....	14
Table 4 (Blood Sampling Times).....	15-22
Table 5 (Subject Screening Data).....	23-30
Table 6 (Subject Vital Signs).....	31-45
Table 7 (Female Pregnancy Tests).....	46
Table 8 (Hematological Profiles).....	47-58
Table 9 (Electrolytes).....	59-63
Table 10 (Other Chemistries).....	64-81
Table 11 (Urinalysis Data).....	82-86
Table 12 (Electrocardiographic Data).....	87-102

## INTRODUCTION:

Halofantrine HCl is an antimalarial drug approved by the FDA for the treatment of mild to moderate malaria caused by *Plasmodium falciparum* or *Plasmodium vivax*(1). The present study was designed to investigate the safety, tolerance and pharmacokinetics of halofantrine HCl given in multiple doses in a Phase I study as part of the overall development of halofantrine as a *prophylactic* antimalarial drug.

## RATIONALE FOR STUDY:

Mefloquine HCl and doxycycline hyclate are the only Department of Defense (DOD) pharmaceutical preparations currently approved for prophylaxis against chloroquine-resistant *Plasmodium falciparum* (2). Each of these prophylactic agents has its own spectrum of side-effects that may limit its use in individual patients. In addition, changing resistance patterns worldwide necessitates the development of additional chemoprophylactic agents against this potentially deadly disease. Halofantrine may show promise as an alternative prophylactic therapy, however a number of clinical reports have suggested possible cardiotoxicity of halofantrine in the form of electrocardiographic QT prolongation and associated torsade de pointe arrhythmia(3-6). Therefore careful reevaluation of halofantrine safety when it is being considered for use as prophylaxis in healthy people is necessary.

This Phase I safety and tolerance study was designed to evaluate halofantrine given daily at the maximal dose for which absorption is linear and for which there is limited safety data. The period of dosing for this Phase I safety and tolerance study corresponded to the length of time that dosing would be required for a subsequent Phase IIa experimental sporozoite challenge study, dose-optimization study.

## STUDY OBJECTIVES:

The prospectively defined objectives of this Phase I study were as follows:

1. To evaluate the safety and tolerance of halofantrine hydrochloride given over time to healthy adults.
2. To characterize the variability of multi-dose halofantrine pharmacokinetics over time in healthy adults.
3. To correlate pharmacodynamics (electrocardiographic QT intervals) with pharmacokinetics (plasma concentrations of halofantrine/desbutylhalofantrine).

## STUDY DESIGN:

The study design was a randomized, double-blind, placebo-controlled Phase I safety and tolerance study. Twenty-one healthy volunteers were randomly assigned to receive halofantrine or placebo. Initially it was planned to study 16 subjects, with 12 subjects to receive active drug (halofantrine) and 4 subjects to receive placebo, however due to subject drop outs prior to study completion, the number to be enrolled was increased to increase the number of subjects who completed the entire study. The blind was maintained with the increase in sample size accomplished by stratified randomization. Subjects were dosed daily for 42 days with 500 mg halofantrine hydrochloride. Subjects were fasted for at least 2 hours prior to and 2 hours following the oral dose. The initial 21 days of drug administration were done with subjects confined as inpatients to the the Georgetown University Medical Center Clinical Research Center and the remaining 21 days of drug

administration the subject reported daily to the Clinical Research Center for medical assessment and supervised drug administration. The subjects were then followed periodically for the next 4 1/2 months with medical assessments and pharmacokinetic sampling at the Clinical Research Center.

#### CONDUCT OF THE STUDY:

The study was conducted at the Georgetown University Clinical Research Center at Georgetown Medical Center, 3800 Reservoir Road NW, Washington, DC. Each subject was an inpatient for 3 weeks during the period of December 21, 1995 and December 27, 1996. The last subject completed the study June 3, 1997. The Principal Investigator was Darrell R. Abernethy, M.D., Ph.D., who is Director of the Georgetown Medical Center Clinical Research Center and Professor of Medicine and Pharmacology and Director of the Division of Clinical Pharmacology at Georgetown University. Collaborative Investigators included David L. Wesche, M.D., Ph.D. and Brian G. Schuster, M.D., of the Division of Experimental Therapeutics, Walter Reed Army Institute of Research, David Flockhart, M.D., Ph.D., and Jean Barbey, M.D., of the Division of Clinical Pharmacology at Georgetown University Medical Center.

The protocol and informed consent for this study were reviewed and approved by the Georgetown University Institutional Review Board August 1, 1995. Initial recruitment was by word of mouth, however to complete enrollment newspaper advertisement was used. Proposed advertisement for the study was reviewed and approved March 12, 1996. There was also approval of the protocol and informed consent form by the U.S. Army Surgeon General's Human Subjects Research Review Board. Twenty-one healthy male and female subjects were recruited by word of mouth and advertisement in the Washington Post newspaper. All subjects met the protocol inclusion criteria and did not meet the protocol defined exclusion criteria. These were:

##### Inclusion criteria:

1. Aged 18-45 years inclusive
2. Male or non-pregnant, non-lactating females
3. Weight within 20% of ideal body weight as defined by Metropolitan Life Tables
4. Normal history and physical examination
5. Normal serum chemistries including Mg++
6. Normal CBC
7. Negative HIV screen
8. Negative hepatitis screen
9. Negative serum beta-HCG pregnancy test (females only)
10. Normal electrocardiogram
11. Normal chest X-ray
12. Normal pulmonary function tests with normal DLCO2
13. Negative urine drug screen
14. Normal urinalysis
15. Normal TSH
16. Available for the full duration of the study and willing to comply with study procedures
17. Provision of written informed consent

##### Exclusion criteria: Any subject with

1. History of serious medical problems, including any kind of heart disease
2. Allergy to halofantrine or related drugs
3. Taken any medication one week prior to study

4. Donated blood or participated in another investigational drug study within the past 2 months
5. History of alcohol or drug abuse
6. Cigarette smoking or use of any tobacco product
7. Pregnancy, unwillingness to use adequate contraception, or the desire to become pregnant within 6 months of the last dose of study drug
8. Prior upper gastrointestinal surgery
9. HIV positivity or other clinically significant laboratory abnormalities including hyperlipidemia
10. Inability to speak or understand English
11. Unusual dietary habits

Each of the subject volunteers also had a screening physical examination and laboratory study as outlined in the protocol. Any candidate with significant clinical or laboratory abnormality was excluded from participation and referred for appropriate health care follow-up.

Demographics of the 21 subject participants are outlined in Table 1. In summary, they ranged in age for 21-44 years, there were 18 males and 3 females, 8 Caucasian and 13 Black, their weight range was 63-96 kg, and their height range was 62-73 inches.

Subjects were randomized to receive either active or placebo halofantrine in a 4:1 ratio with the randomization blinded and maintained by Dr. Mark Sale, a member of the Division of Clinical Pharmacology at Georgetown Medical Center. The randomization allocation of subject participants is outlined in Table 2. The test material was halofantrine hydrochloride 250 mg tablets. The material was provided by the US Army, however the original source was noted to be SmithKline Beecham Pharmaceuticals, Welwyn Garden City, Herts, U.K. The tablets were noted to be lot #G1905/V001.

All drug doses were administered in the morning following at least 2 hours fast, with fasting continued for 2 hours following the drug administration. The first 21 daily doses were administered while the subjects were confined the inpatient unit. On day 22 the subjects were discharged from the inpatient unit and they returned daily for their morning observed dose from day 22 to day 41. At that time they were readmitted to the inpatient unit to receive the last dose of halofantrine and have clinical evaluation, safety laboratory determinations, and blood sampling for pharmacokinetic evaluation. On day 43 the subjects were discharged from the inpatient unit to return to the outpatient area on study days 44, 45, 48, 51, 54, 57, 72, and 180.

Subjects 001, 003, 006, 007, 009, 012, 013, 015, 019, 020, and 021 completed the entire 180 days of the study. Subject 017 received only 2 doses of drug, therefore safety information was collected, however this subject was not included as one of the 20 with sufficient data for some evaluation. The other subjects, 002, 004, 005, 008, 010, 011, 014, 016, and 018 completed various proportions of the study before dropping out. No subjects were discontinued for adverse events, however 3 adverse events, gastroenteritis (subject 002), skin rash (subject 006), and headaches (subject 011) were noted. The gastroenteritis was associated in time with a food ingestion (about 6 hours later) that seemed the most likely cause, although drug exposure could not be ruled out. The skin rash disappeared while the subject remained on drug and the subject completed the study, therefore it was deemed unlikely to be related to drug exposure. The headaches were temporally related to drug exposure for several days and were deemed to be likely related to drug exposure. An outline of study participation by the subjects is noted in Table 3.



Blood sampling for pharmacokinetic analysis and electrocardiograms for QTc analysis were obtained as follows:

Day	Time after dose (hr)
1	predose (1/2 hr)
1	0.5
1	1
1	2
1	3
1	4
1	6
1	8
1	10
1	12
2	predose
3	predose
4	predose
4	2
4	4
4	6
4	8
4	12
5	predose
6	predose
7	predose
7	2
7	4
7	6
7	8
7	12
8	predose
9	predose
10	predose
11	predose
12	predose
13	predose
14	predose
14	2
14	4
14	6
14	8
14	12
15	predose
16	predose
17	predose
18	predose
19	predose
20	predose
21	predose
21	2
21	4
21	6
21	8
21	12

Day	Time after dose (hr)
25	predose
29	predose
32	predose
36	predose
39	predose
42	predose
42	0.5
42	1
42	2
42	3
42	4
42	6
42	8
42	10
42	12
43	am
44	am
45	am
48	am
51	am
54	am
57	am
72	am
180	am

Each sampling time point, scheduled and actual, is listed in Table 4. As can be seen, the inpatient samples were obtained within a few minutes of the scheduled time, with outpatient samples for the most part within 1-2 hours of the scheduled time. For pharmacokinetic samples that deviate significantly from the scheduled time, the analysis will use the actual time of collection for purposes of calculation. All blood samples were centrifuged in a refrigerated centrifuge promptly, the plasma separated, and stored at -70 C until time of shipment. All samples were shipped on dry ice.

Analysis of electrocardiographic data was as follows. All ECGs were 12 lead with a 15 second 3-lead rhythm strip (I, aVF, V2). The chart speed for recording the 12 lead ECG was 25 mm/sec, the speed for the rhythm strip was 50 mm/sec. Two copies of each ECG were recorded, one for the chart and one for interpretation. For each ECG the RR interval and QT interval were measured for the first 3 consecutive normal and technically acceptable complexes and the results were averaged. If the RR interval was greater than 500 msec, QTc was calculated according to the Bazett formula(7). If the RR interval was less than 500 msec, the Fridericia correction was used(8). QT interval measurement was based on a modification of the method of Browne et al(9). The ECG tracings were placed on a digitizing pad and a cross-hair type pointing device was used to mark the beginning and the end of each interval. The data were transmitted and stored to a computer. The QT duration was measured on the rhythm strips from three leads simultaneously with use of the earliest beginning of the QRS complex to the end of the longest T wave in any of the three simultaneous leads. The end of each T wave was determined by drawing a tangent to the steepest portion of the downsloping T wave. The point at which this tangent intersected with the isoelectric line was used to designate the end of the T wave.

In addition to the above mentioned procedures, questioning regarding adverse reactions and subjective symptomatology, vital sign determinations and determination of laboratory safety parameters were performed as outlined in the study protocol. Deviations have been

noted in the specific case report forms. These data are recorded for each subject in the subject's case report form. Copies of case report forms have been appropriately completed for each subject and have been periodically reviewed by the USAMMDA monitor. These forms are on file and available at the Georgetown University Clinical Research Center.

Periodically, according to the protocol defined procedure, plasma samples were shipped on dry ice to Dr. Emil Lin at the Drug Studies Unit, School of Pharmacy, University of California at San Francisco. Quality control and reporting of plasma concentration data was monitored separately from clinical site monitoring.

## RESULTS:

The study findings will be separated into 3 sections as follows: (1) Clinical Adverse Experiences, (2) Laboratory Safety Parameters, and (3) Electrocardiographic Effects. Pharmacokinetic results will not be included in this report as the plasma concentration data has been reported directly to Dr. David Wesche at WRAIR.

1. Clinical Adverse Experiences. Subject 002 (21 year old Black male) experienced stomach cramping, diarrhea, and fever for 4 days starting day 31 of the study. This began a few hours after ingestion of some possibly contaminated food. The subject stated he had eaten salmon with a friend and the friend had become ill with similar symptoms. Evaluation on day 32 revealed mild abdominal tenderness and no other significant findings. At that time CBC showed 8000 WBC, Hb 14.2 and Hct 42.3. Symptoms subsided spontaneously on day 35. This subject was receiving halofantrine. He discontinued study on day 36 for personal reasons. Subject 006 (26 year old White male) developed a localized skin rash on day 11. Local care was administered and by day 15, while the subject remained on study the rash resolved. This subject was receiving placebo. Subject 011 (43 year old Black Hispanic female) complained of a throbbing headache on day 7. This was considerably relieved by a 650 mg dose of acetaminophen. The headache recurred on days 10, 12, 19, 21, and 22. Physical examination was unrevealing at the various evaluations during this series of headaches. This subject was receiving halofantrine. The subject did not subsequently complain of headache. Based on the history and examination, I deemed the subject 002 and subject 006 events to be unlikely to be related to halofantrine, and the subject 011 event to be probably related to halofantrine.

2. Laboratory Safety Parameters. Screening laboratory parameters for inclusion into the study are shown in Table 5(a-h) and include Drug Screen, Chest X-ray, Pulmonary function tests (screen and day 42), TSH, HIV, Hepatitis Surface Antigen (HBsAg), Hepatitis C (HbC), and Hepatitis C antibody (HbC antibody).

Vital signs during the course of the study are shown in Table 6(a-e) and include systolic blood pressure, diastolic blood pressure, heart rate, temperature, and weight. Of interest, systolic and diastolic blood pressure and heart rate tended to be less during the inpatient part of the protocol (days 1-22). Early in the study weight was not measured daily, therefore missing data appear as empty cells in this table.

Beta HCG for female subjects (003, 010, 011) is shown in Table 7 and data are included for the duration of their participation (only 003 completed the study).

Hematological profile during the course of the study is shown in Table 8(a-l) and includes WBC, hemoglobin, hematocrit, RBC, red cell indices (MCV, MCHC, MCH), reticulocyte count, and white cell differential (eosinophils, segmented neutrophils, monocytes, lymphocytes). Values outside of the laboratory normal range are shaded. No trend for change in hematological parameters could be discerned during and following drug

exposure. Missing data and data not obtained due to subject dropout are shown as empty cells.

Electrolytes during the course of the study are shown in Table 9(a-e) and include sodium, chloride, potassium, carbon dioxide, and glucose. Values outside of the laboratory normal range are shaded. No trend for change in electrolytes, CO<sub>2</sub>, or glucose could be discerned during the course of the study. Missing data and data not obtained due to subject dropout are shown as empty cells.

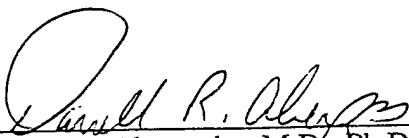
Other chemistries during the course of the study are shown in Table 10(a-r) and include alkaline phosphatase, albumin, total bilirubin, blood urea nitrogen, calcium, total cholesterol, HDL cholesterol, LDL cholesterol, triglycerides, creatinine, gGT, LDH, magnesium, phosphate, total protein, AST, ALT, and uric acid. No trend for change in other chemistries could be discerned during the course of the study. Missing data and data not obtained due to subject dropout are shown as empty cells.

Urinalysis with microscopic examination is shown in Table 11(a-e) and includes casts, occult blood, RBC, WBC, and specific gravity. Occult blood noted for subjects 003 and 010 was observed during menses for these female subjects. No trend for change in urinalysis parameters was noted throughout the course of the study.

3. Electrocardiographic effects. Electrocardiographic parameters during the course of the study are shown in Table 12 (a-d) including heart rate, PR interval, QRS duration, and QTc calculated as described above. No trend for change in heart rate, PR interval, or QRS duration could be discerned. In contrast, QTc interval tended to be prolonged from baseline in subjects 002, 007, 009, 010, 011, 014, 016, 018, and 021. These subjects were all receiving halofantrine, and none of the subjects receiving placebo had an appreciable change in QTc.

#### CONCLUSIONS:

This halofantrine regimen of 500 mg per os once daily administered in the fasting state for a period of 6 weeks was well tolerated by the subject participants. Clinical adverse effects were few and minor. Laboratory safety profiles showed no evidence of abnormality associated with drug exposure. Electrocardiographic QTc prolongation in the range of 5-15% occurred in most subjects who received halofantrine, and did not occur in subjects who received placebo. This will be further analyzed in conjunction with the pharmacokinetic data as it becomes available.

  
\_\_\_\_\_  
Darrell R. Abernethy, M.D., Ph.D.  
Principal Investigator

16 Aug, 1997  
Date

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9. Browne

## APPENDIX

TABLE 1

Sheet1

HALOFANTRINE SUBJECT DEMOGRAPHICS									
Subject No.	Initials	Race	Gender	Age	Weight (kg)	Height (in)	Hosp Day 0	Date Dropped	Study Complete
1	JKS	W	M	23	64	67	12/21/95		6/18/96
2	BSH	B	M	21	96	68	12/21/95	1/25/96	
3	EJW	W	F	23	68	70	12/21/95		6/18/96
4	WPS	B	M	27	68	71	1/10/96	2/16/96	
5	SGA	B	M	35	68	70	1/10/96	2/7/96	
6	JBC	W	M	26	77		1/25/96		7/23/96
7	DAN	W	M	33	73	68	2/15/96		8/13/96
8	AYB	B	M	28	64	67	2/15/96	2/25/96	
9	GRL	W	M	38	75	71	2/15/96		8/13/96
10	EYJ	B	F	39	75	65	2/15/96	4/9/96	
11	C-E	B (Hispanic)	F	43	66	52	2/23/96	4/8/96	
12	HLL	B	M	37	82	71	3/14/96		9/10/96
13	GLG	W	M	35	63	67	3/28/96		10/8/96
14	DLS	B	M	43	75	68	3/28/96	5/7/96	
15	DMK	B	M	28	71	63	3/28/96		9/24/96
16	L-W	B	M	44	77	73	3/28/96	5/11/96	
17	LDG	B	M	21	68	70	8/1/96	8/2/96	
18	KLS	B	M	36	68	69	8/1/96	10/2/96	
19	WSB	W	M	43	82	71	8/22/96		2/18/97
20	K-P	B	M	22	75	70	10/31/96		4/28/97
21	CAE	W	M	38	92	69	12/5/96		6/3/97

TABLE 2

Sheet1

	<b>RANDOMIZATION CODE</b>	
Subject No.		Assignment
1		Halofantrine
2		Halofantrine
3		Placebo
4		Halofantrine
5		Halofantrine
6		Placebo
7		Halofantrine
8		Halofantrine
9		Halofantrine
10		Halofantrine
11		Halofantrine
12		Placebo
13		Placebo
14		Halofantrine
15		Halofantrine
16		Halofantrine
17		
18		
19		
20		
21		



TABLE 3  
Sheet1

HALOFANTRINE STUDY PARTICIPATION DATES				
Subject No.	Initials	Hosp Day 0	Date Dropped	Study Completed
1	JKS	12/21/95		6/18/96
2	BSH	12/21/95	1/25/96	
3	EJW	12/21/95		6/18/96
4	WPS	1/10/96	2/16/96	
5	SGA	1/10/96	2/7/96	
6	JBC	1/25/96		7/23/96
7	DAN	2/15/96		8/13/96
8	AYB	2/15/96	2/25/96	
9	GRL	2/15/96		8/13/96
10	EYJ	2/15/96	4/9/96	
11	C-E	2/23/96	4/8/96	
12	HLL	3/14/96		9/10/96
13	GLG	3/28/96		10/8/96
14	DLS	3/28/96	5/7/96	
15	DMK	3/28/96		9/24/96
16	L-W	3/28/96	5/11/96	
17	LDG	8/1/96	8/2/96	
18	KLS	8/1/96	10/2/96	
19	WSB	8/22/96		2/18/97
20	K-P	10/31/96		4/28/97
21	CAE	12/5/96		6/3/97

**BLOOD SPECIMEN PK TIMES**

- 15 -

[illegible]

TABLE 4

## BLOOD SPECIMEN PK TIMES

## BLANK-NOT OBTAINED

11	8:50	9:50	10:20	11:20	12:20	13:20	15:20	17:20	19:20	21:20	8:50	8:50	17:20	15:20	21:20	8:50	8:50	8:50
12	7:45	8:45	9:15	10:15	11:15	12:15	14:15	16:15	18:15	20:15	7:45	7:45	16:15	14:15	20:15	7:45	7:45	7:45
13	8:30	9:30	10:00	11:00	12:00	13:00	15:00	17:00	19:00	21:00	8:30	8:30	17:00	15:00	21:00	8:30	8:30	8:30
14	8:00	9:00	9:30	11:30	12:30	13:30	15:30	17:30	19:30	21:30	8:00	8:00	16:30	14:30	20:30	8:00	8:00	8:00
15	8:10	9:10	9:40	10:40	11:40	12:40	14:40	16:40	18:40	20:40	8:10	8:10	16:40	14:40	20:40	8:10	8:10	8:10
16	7:30	8:30	9:00	10:00	11:00	12:00	14:00	16:00	18:00	20:00	7:30	7:30	16:00	14:00	20:00	7:30	7:30	7:30
17	8:00	9:00	9:30	11:30	12:30	13:30	15:30	17:30	19:30	21:30	8:00	8:00	16:30	14:30	20:30	8:00	8:00	8:00
18	8:00	9:00	9:30	10:30	11:30	12:30	14:30	16:30	18:30	20:30	8:00	8:00	16:30	14:30	20:30	8:00	8:00	8:00
19	8:00	9:00	9:30	10:30	11:30	12:30	14:30	16:30	18:30	20:30	8:00	8:00	16:30	14:30	20:30	8:00	8:00	8:00
20	7:30	8:30	9:00	10:00	11:00	12:00	14:00	16:00	18:00	20:00	7:30	7:30	16:00	14:00	20:00	7:30	7:30	7:30
21	7:45	8:45	9:15	10:15	11:15	12:15	14:15	16:15	18:15	20:15	7:45	7:45	16:15	14:15	20:15	7:45	7:45	7:45

**BLOOD SPECIMEN PK TIMES**

- 17 -

	7	7	7	7	8	9	10	11	12	13	14	14	14	6HR	8HR	12HR	14	15	16	17	18	19	20
2HR	4HR	6HR	8HR	12HR	PRE	PRE	PRE	PRE	PRE	PRE	PRE	2HR	4HR	6HR	8HR	12HR	PRE	PRE	PRE	PRE	PRE	PRE	PRE
950	1152	1358	1551	2005	803	755	751	758	745	740	758	955	1200	1400	1607	2010	755	750	753	740	750	757	
1002	1205	1420	1607	2025	810	817	816	820	807	805	809	1008	1210	1423	1620	2035	813	813	820	820	805	810	
1045	1243	1442	1640	2055	845	853	849	855	825	834	845	1045	1243	1456	1643	2055	852	847	851	850	813	850	
1045	1245	1445	1645	2046	840	840	850	847	843	841	837	1040	1240	1440	1640	2040	835	844	845	1005	857	845	
1025	1225	1425	1621	2025	829	825	829	820	825	820	816	1025	1225	1425	1631	2030	820	833	915	943	822	825	
1110	1315	1510	1710	2120	851	910	859	848	848	846	838	1050	1250	1458	1657	2047	839	900	859	839	855	835	
1110	1304	1502	1703	2130	910	900	925	845	910	914	902	1107	1307	1507	1710	2100	1010	907	930	905	941	910	
1000	1200	1400	1600	2000	803	755	805																
1020	1220	1415	1620	2030	818	820	830	813	817	820	819	1035	1234	1430	1627	2000	818	809	819	819	830	825	
1042	1245	1445	1642	2210	845	845	905	830	855	855	836	1034	1245	1445	1645	2030	848	830	841	839	908	850	
1120	1325	1510	1710	2124	938	914	930	959	920	900	925	1130	1331	1525	1728	2120	919	830	928	913	921	920	
1012	1213	1413	1615	2220	812	817	825	820	830	820	815	1025	1230	1430	1625	2020	822	910	815	814	805	813	
1120	1315	1515	1712	2117	900	923	1005	905	900	859	855	1110	1300	1510	1704	2112	852	810	935	930	857	912	
1024	1216	1427	1619	2043	828	815	905	817	815	820	820	1028	1220	1420	1620	2023	825	840	814	822	834	816	
1100	1255	1500	1635	2058	845	850	925	838	845	840	828	1041	1240	1442	1640	2100	836	745	904	855	835	845	
1006	1202	1408	1602	2005	810	745	835	755	750	758	800	1005	1200	1400	1600	1955	755	745	810	804	804	758	
1033	1234	1430	1632	2028	820	835	745	758	802	825		1030	1235	1435	1635	2030	820	845	855	817	825	820	
1211	1235	1435	1625	2045	832	830	825	820	820	823	810	1032	1234	1434	1633	2025	820	823	810	820	825	730	
958	1208	1407	1610	2005	759	810	812	758	755	755	750	1010	1203	1400	1602	2015	755	736	737	758	755	758	
955	1200	1358	1556	2000	801	810	828	810	750	740	747	1010	1206	1405	1608	2020	750	800	757	800	755	758	
1044	1238	1438	1633	2065	835	833.5	852.7	825.1	824.3	821.8	822.6	1038	1240	1441	1641	2040	828.6	821.9	842	847	831.4	823	
66.12	45.53	47.18	45.93	66.85	41.3	50.27	63.21	50.42	51.44	47.59	44.18	40.57	36.48	36.81	36.18	41.53	60.47	51.95	59.75	65.52	52.04	54.51	
1211	1325	1515	1712	2220	938	923	1005	959	920	914	925	1130	1331	1525	1728	2120	1010	910	935	1005	941	920	
950	1152	1358	1551	2000	759	745	745	755	745	740	747	955	1200	1400	1600	1955	750	736	737	740	750	730	
7	7	7	7	7	8	9	10	11	12	13	14	14	14	14	14	14	15	16	17	18	19	20	
2HR	4HR	6HR	8HR	12HR	PRE	PRE	PRE	PRE	PRE	PRE	PRE	2HR	4HR	6HR	8HR	12HR	PRE	PRE	PRE	PRE	PRE	PRE	
10:00	12:00	14:00	16:00	20:00	7:30	7:30	7:30	7:30	7:30	7:30	7:30	10:00	12:00	14:00	16:00	20:00	7:30	7:30	7:30	7:30	7:30	7:30	
10:15	12:15	14:15	16:15	20:15	7:45	7:45	7:45	7:45	7:45	7:45	7:45	10:15	12:15	14:15	16:15	20:15	7:45	7:45	7:45	7:45	7:45	7:45	
10:50	12:50	14:50	16:50	20:50	8:20	8:20	8:20	8:20	8:20	8:20	8:20	10:50	12:50	14:50	16:50	20:20	8:20	8:20	8:20	8:20	8:20	8:20	
10:30	12:30	14:30	16:30	20:30	8:00	8:00	8:00	8:00	8:00	8:00	8:00	10:30	12:30	14:30	16:30	20:30	8:00	8:00	8:00	8:00	8:00	8:00	
10:30	12:30	14:30	16:30	20:30	8:00	8:00	8:00	8:00	8:00	8:00	8:00	10:30	12:30	14:30	16:30	20:30	8:00	8:00	8:00	8:00	8:00	8:00	
10:50	12:50	14:50	16:50	20:50	8:20	8:20	8:20	8:20	8:20	8:20	8:20	10:50	12:50	14:50	16:50	20:50	8:20	8:20	8:20	8:20	8:20	8:20	
11:30	13:30	15:30	17:30	21:30	9:00	9:00	9:00	9:00	9:00	9:00	9:00	11:30	14:30	15:30	17:30	21:30	9:00	9:00	9:00	9:00	9:00	9:00	
10:00	12:00	14:00	16:00	20:00	7:30	7:30	7:30	7:30	7:30	7:30	7:30	10:00	12:00	14:00	16:00	20:00	7:30	7:30	7:30	7:30	7:30	7:30	
10:20	12:20	14:20	16:20	20:20	7:50	7:50	7:50	7:50	7:50	7:50	7:50	10:20	12:20	14:20	16:20	20:20	7:50	7:50	7:50	7:50	7:50	7:50	
10:40	12:40	14:40	16:40	20:40	8:10	8:10	8:10	8:10	8:10	8:10	8:10	10:40	12:40	14:40	16:40	20:40	8:10	8:10	8:10	8:10	8:10	8:10	



BLANK-NOT OBTAINED

[illegible]

**BLOOD SPECIMEN PK TIMES**

- 20 -

TABLE 4

BLOOD SPECIMEN PK TIMES

BLANK-NOT OBTAINED

44	45	48	51	54	57	72	180
AM	AM	AM	AM	AM	AM	AM	AM
845	838	918	850	833	850	1955	1000
1545	957	900	810	810	828	1354	900
950	925	848	855	855	840	855	855
			1200	2340	1900	1820	44
1130		1025	1220	1420	1505	1132	1530
1520			1030	1335			
940	1403						
834	905	822	840	828	815	856	910
940	942	1155	1057	1700	1309	1355	1150
1355	1618	1030	1040	1145	1407	1005	1105
915							930
	1800	942	845	1515	1725	1140	
	1800	942	845	1515	1725	1140	
840	907	950	945	930	915	930	
835	1058	1120	1330				
856	1050	1017	1400	945	900	905	
1039	1184	972.4	1019	1244	1227	1204	936
263.4	366.9	100.8	198.9	454.1	414.6	363	393
1545	1800	1155	1400	2340	1900	1955	1530
834	838	822	810	810	815	855	44
44	45	48	51	54	57	72	180
AM	AM	AM	AM	AM	AM	AM	AM
7:30	7:30	7:30	7:30	7:30	7:30	7:30	7:30
7:45	7:45	7:45	7:45	7:45	7:45	7:45	7:45
8:20	8:20	8:20	8:20	8:20	8:20	8:20	8:20
8:00	8:00	8:00	8:00	8:00	8:00	8:00	8:00
8:00	8:00	8:00	8:00	8:00	8:00	8:00	8:00
8:20	8:20	8:20	8:20	8:20	8:20	8:20	8:20
9:00	9:00	9:00	9:00	9:00	9:00	9:00	9:00
7:30	7:30	7:30	7:30	7:30	7:30	7:30	7:30
7:50	7:50	7:50	7:50	7:50	7:50	7:50	7:50
8:10	8:10	8:10	8:10	8:10	8:10	8:10	8:10



## BLOOD SPECIMEN PK TIMES

## BLANK-NOT OBTAINED

8:50	8:50	8:50	8:50	8:50	8:50	8:50	8:50	8:50	8:50
7:45	7:45	7:45	7:45	7:45	7:45	7:45	7:45	7:45	7:45
8:30	8:30	8:30	8:30	8:30	8:30	8:30	8:30	8:30	8:30
8:00	8:00	8:00	8:00	8:00	8:00	8:00	8:00	8:00	8:00
8:10	8:10	8:10	8:10	8:10	8:10	8:10	8:10	8:10	8:10
7:30	7:30	7:30	7:30	7:30	7:30	7:30	7:30	7:30	7:30
8:00	8:00	8:00	8:00	8:00	8:00	8:00	8:00	8:00	8:00
8:00	8:00	8:00	8:00	8:00	8:00	8:00	8:00	8:00	8:00
8:00	8:00	8:00	8:00	8:00	8:00	8:00	8:00	8:00	8:00
7:30	7:30	7:30	7:30	7:30	7:30	7:30	7:30	7:30	7:30
7:45	7:45	7:45	7:45	7:45	7:45	7:45	7:45	7:45	7:45

TABLE 5a

## DRUG SCREEN

SUBJECT NO.	SCR
01	-
02	-
03	-
04	-
05	-
06	-
07	-
08	-
09	-
10	-
11	-
12	-
13	-
14	-
15	-
16	-
17	-
18	-
19	-
20	-
21	-

TABLE 5b

CHEST XRAY

SUBJECT NO.	SCR
01	-
02	-
03	-
04	-
05	-
06	-
07	-
08	-
09	-
10	-
11	-
12	-
13	-
14	-
15	-
16	-
17	-
18	-
19	-
20	-
21	-

TABLE 5c

## PULMONARY FUNCTION TEST

BLANK-NOT OBTAINED

SUBJECT NO.	SCR	DAY 42
01	NORMAL	NORMAL
02	NORMAL	
03	NORMAL	NORMAL
04	NORMAL	NORMAL
05	NORMAL	
06	NORMAL	NORMAL
07	NORMAL	NORMAL
08	NORMAL	
09	NORMAL	NORMAL
10	NORMAL	NORMAL
11	NORMAL	NORMAL
12	NORMAL	NORMAL
13	NORMAL	NORMAL
14	NORMAL	
15	NORMAL	NORMAL
16	NORMAL	NORMAL
17	NORMAL	
18	NORMAL	NORMAL
19	NORMAL	
20	NORMAL	NORMAL
21	NORMAL	NORMAL

TABLE 5d

ulU/ml

TSH

BLANK-NOT OBTAINED

SUBJECT NO.	SCR
01	2.10
02	0.67
03	1.70
04	0.11
05	0.70
06	0.44
07	0.90
08	0.60
09	1.70
10	0.80
11	1.90
12	1.45
13	
14	1.27
15	2.01
16	0.59
17	4.08
18	1.40
19	0.70
20	1.67
21	2.36
average	1.34
stdev	0.92
max	4.08
min	0.11

TABLE 5e

HIV

SUBJECT NO.	SCR
01	-
02	-
03	-
04	-
05	-
06	-
07	-
08	-
09	-
10	-
11	-
12	-
13	-
14	-
15	-
16	-
17	-
18	-
19	-
20	-
21	-

HBsAG

BLANK-NOT OBTAINED

SUBJECT NO.	SCR
01 -	
02 -	
03 -	
04	
05 -	
06 -	
07 -	
08 -	
09 -	
10 -	
11 -	
12 -	
13 -	
14 -	
15 -	
16 -	
17 -	
18 -	
19 -	
20 -	
21 -	

TABLE 5g

HbCSerology

BLANK-NOT OBTAINED

SUBJECT NO.	SCR
01	-
02	-
03	-
04	-
05	-
06	-
07	-
08	-
09	-
10	-
11	-
12	-
13	-
14	-
15	-
16	-
17	+
18	-
19	-
20	-
21	-



TABLE 5h

HbCab

BLANK-NOT OBTAINED

SUBJECT NO.	SCR
01	-
02	-
03	-
04	-
05	-
06	-
07	-
08	-
09	-
10	-
11	-
12	-
13	-
14	-
15	-
16	+
17	-
18	-
19	-
20	-
21	-

BLANK-NOT OBTAINED

VITAL SIGNS -SYSTOLIC BLOOD PRESSURE

IN mmHg

TABLE 6a

SUBJECT NO.		1	2	3	4	5	6	7	8	9	DAY	10	11	12	13	14	15	16	17
01	00	122	112	112	106	108	116	106	114	118		10	116	134	128	131	126	118	132
02	132	128	117	122	125	132	112	116	136	137		129	124	130	128	149	132	134	122
03	132	100	116	107	92	100	101	96	96	95		95	95	118	94	130	106	90	92
04	112	128	112	108	118	124	138	118	123	122		122	132	132	126	140	126	118	132
05	139	114	102	114	120	118	104	98	114	108		113	108	110	114	110	104	114	118
06	124	148	108	127	122	122	122	135	116	114		125	124	124	122	133	126	114	108
07	154	123	144	118	132	134	136	146	134	133		137	128	140	139	128	158	140	128
08	122	134	118	106	104	114	108	112	126	115		106							
09	120	126	128	120	128	126	126	112	118	116		108	104	122	122	112	122	108	108
10	128	124	122	114	118	124	124	136	97	125		114	138	124	119	122	127	128	120
11	130	116	106	98	97	97	106	110	102	93		89	104	100	90	108	108	113	98
12	134	104	132	118	116	112	115	121	122	122		116	120	134	129	128	102	130	100
13	132	112	115	109	108	122	108	120	118	106		92	104	110	108	114	110	116	114
14	112	106	104	114	116	118	122	118	124	107		100	116	128	109	100	108	102	122
15	140	110	117	116	106	112	122	114	116	107		110	122	104	114	102	117	106	98
16	117	92	104	90	90	105	102	96	102	108		94	100	106	104	105	102	98	92
17	100	128	119																
18		108	114	108	116	106	106	124	94	112		103	106	104	96	110	107	105	96
19	131	108	128	134	110	115	96	120	125	104		118	96	118	86	127	120	98	106
20	125	122	125	132	116	122	122	110	122	118		114	104	114	118	126	110	112	119
21	112	95	83	90	94	82	94	105	106	92		96	99	102	100	92	90	80	86
average	126.11	116.57	115.52	112.85	111.70	114.65	114.00	115.65	115.25	112.60		110.20	112.63	118.63	112.95	119.32	115.84	111.79	110.05
stdev	12.40	13.71	12.71	11.75	11.95	12.53	12.37	13.06	12.21	12.05		13.34	12.85	12.42	14.86	14.94	15.07	14.99	14.28
max	154.00	148.00	144.00	134.00	132.00	134.00	138.00	146.00	136.00	137.00		137.00	138.00	140.00	139.00	149.00	158.00	140.00	132.00
min	100.00	92.00	83.00	90.00	90.00	82.00	94.00	96.00	94.00	92.00		89.00	95.00	100.00	86.00	92.00	90.00	80.00	86.00



BLANK-NOT OBTAINED

VITAL SIGNS -SYSTOLIC BLOOD PRESSURE

IN mmHg

TABLE 6a

	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
18																		
122	120			134	136	120	118	138	120	130	126	120	130	128	114	100	108	108
112	116	120	134	122	113	136	145	138	142	138	124	136	134	142		126	136	
92	90	90	90	96	136	98	90	106	106	91	116	106	98	98	96	94	108	114
123	110	134	90	140	134	132	124	128	122	132	117	124	132	132	124	134	132	134
108	109	107	110	122	113	123	120		148	124								
118	120	122	130	114	124	120	133	116	112	140	122	128	134	132	123	130	134	132
148	126	136	164	140	138	136	139	144	135	126	122	126	120	120			126	140
110	118	116	124	108	132	125	116	114	127	116	140	120	125	116	110	112		117
136	132	119	112	116	125	112	122	135	152	120	132	126	132	124	108	152	119	122
110	114	127	106	128	110	110	124	116	127	124	130	140	128	126	113	138	116	130
126	130	124	112	116	116	116	120	134	122	142	135	112	118	132	143	128	118	106
112	124	107	116	122	122	114	120	122	112	124	122	116	113	124	146	120	120	120
118	116	118	118	138	135	114	118	123	119	126	114	136	131	124	136	124	138	154
110	114	116	116	127	143	122	128	130	134	110	133	102	136	124	138	112	123	114
98	110	110	106	104		98	90	117	129	128	108		116	134	118	120	111	110
100	98	114	107	118			108	130	124		142	137		126	124	124	138	
106	119	118	100	112	108	124	120	103	116	120	130	146	118	118	128	114	119	126
116	120	114	114	104	136		116	112	125	124	120	124	124	115	117	124	118	
103	105	91	96	103			97	117		113	118			120	115	121	124	116
114.11	115.32	115.72	113.61	119.16	126.31	118.75	118.32	123.50	126.22	123.78	125.06	124.94	124.31	124.17	122.06	121.94	122.82	122.87
13.29	10.32	12.09	17.41	13.10	11.41	11.27	14.36	11.72	12.33	11.88	9.19	12.26	10.07	9.48	13.58	13.62	9.89	13.23
148.00	132.00	136.00	164.00	140.00	143.00	136.00	145.00	144.00	152.00	142.00	142.00	146.00	136.00	142.00	146.00	152.00	138.00	154.00
92.00	90.00	90.00	90.00	96.00	108.00	98.00	90.00	103.00	106.00	91.00	108.00	102.00	98.00	98.00	96.00	94.00	108.00	106.00

TABLE 6a

## VITAL SIGNS -SYSTOLIC BLOOD PRESSURE

BLANK-NOT OBTAINED

IN mmHg

37	38	39	40	41	42	43	44	45	48	51	54	57	72	180
116	118	116	132	112	116	110	122	126	122	124	128	116	130	114
110	102	112	100	106	98	98	116	124	106	96	114	113	106	112
118														
124	116	125	120	130	114	130	115	132	134	124	120	132	122	144
132	108	136	117		142	121				122	108	152	134	125
120	115	104	126	108	112	109	114	132	126	115	116	120	115	116
120	115	122	116	104	116	132	128	120		130	124			
119	134	125	134	108	94	112	104	118						
123	116	126	123	102	134	126	126	106	126	131	128	126	147	126
120	128	112	131	106	106	120	106	122	128	132	118	112	120	117
124	125	144	127											
136	130	122	128	122	108	139	110	125	116	124	132	114	138	140
131	115	108	106	97	104	112	116						114	123
120	126		130	132	119	128		122	138	112	134	134	136	
112	123	124	131	119	128	98	122		136	116	116	105	113	
		130	118	119	92	116	121	126	124	112	132	108		
		120	134	115	100	107	102	96	134	112	100	123	100	
121.67	119.36	121.73	123.31	112.86	112.20	117.20	115.54	120.75	126.36	119.23	120.77	121.25	122.92	124.11
7.10	8.78	10.49	9.95	10.43	14.40	12.22	8.26	10.35	9.46	10.08	10.15	13.23	14.18	11.29
136.00	134.00	144.00	134.00	132.00	142.00	139.00	128.00	132.00	138.00	132.00	134.00	152.00	147.00	144.00
110.00	102.00	104.00	100.00	97.00	92.00	98.00	102.00	96.00	106.00	96.00	100.00	105.00	100.00	112.00



IN mmHg

VITAL SIGNS - DIASTOLIC BLOOD PRESSURE

BLANK-NOT OBTAINED

TABLE 6b

SUBJECT NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
01	00	74	74	60	68	64	68	65	61	62	64	74	70	71	71	74	70	68	70	63	70
02	72	68	99	68	70	58	56	44	63	64	60	74	62	86	84	67	60	50	60	61	74
03	56	66	54	69	50	46	52	50	58	52	42	50	52	46	56	48	46	48	46	56	56
04	80	72	60	66	58	66	58	60	72	66	76	86	82	70	68	64	76	67	76	72	69
05	68	64	54	58	60	66	56	54	62	58	56	60	64	52	58	62	66	60	66	62	64
06	90	96	74	58	78	71	80	70	68	61	84	68	78	70	72	70	70	66	70	68	70
07	84	60	78	60	64	76	72	68	62	77	58	76	78	60	74	64	72	64	72	66	72
08	70	80	70	64	52	62	59	62	64	53	57										
09	66	68	66	64	72	67	62	66	60	72	55	56	50	56	74	52	62	60	62	64	58
10	68	72	70	62	66	66	70	68	56	73	72	58	69	58	72	68	75	70	75	64	64
11	88	74	59	60	56	56	60	58	72	78	56	60	54	76	58	64	62	64	62	74	64
12	78	78	82	76	72	72	67	85	72	66	76	84	78	82	68	80	71	82	71	72	72
13	64	62	56	57	56	62	46	60	54	56	44	50	48	52	58	48	62	60	62	58	60
14	84	68	66	67	62	64	74	72	70	80	56	64	74	68	54	52	72	64	72	75	68
15	71	68	47	58	64	74	60	63	56	52	50	56	54	52	68	46	61	59	61	62	59
16	60	62	64	60	58	68	60	56	66	68	52	59	64	52	60	62	67	60	67	74	70
17	76	65																			
18	73	61	66	68	64	60	58	64	48	60	54	58	50	60	56	60	52	65	52	65	61
19	80	60	70	77	90	71	56	58	80	76	66	74	66	60	64	52	47	66	47	66	56
20	70	70	71	80	68	88	88	60	66	72	71	64	60	76	58	62	66	64	66	72	76
21	60	54	44	52	56	54	49	57	57	60	58	54	55	64	54	48	51	64	58	52	63
average	72.48	68.67	66.20	64.20	64.20	65.55	62.55	61.75	63.65	65.70	59.60	63.00	64.89	63.89	63.37	64.47	63.58	63.21	63.95	65.58	65.58
stdev	9.47	8.95	12.59	7.28	9.45	8.94	10.38	8.66	8.07	8.54	7.65	9.74	10.75	11.33	10.41	8.67	9.10	7.16	8.70	6.47	6.19
max	90.00	96.00	99.00	80.00	90.00	88.00	88.00	85.00	80.00	80.00	72.00	84.00	86.00	82.00	86.00	84.00	76.00	82.00	76.00	75.00	76.00
min	56.00	54.00	44.00	52.00	50.00	46.00	46.00	44.00	48.00	52.00	44.00	42.00	48.00	50.00	46.00	52.00	46.00	48.00	46.00	52.00	56.00



IN mmHg

VITAL SIGNS -DIASTOLIC BLOOD PRESSURE

BLANK-NOT OBTAINED

TABLE 6b


16  
D  
14  
12

TABLE 6b

## VITAL SIGNS - DIASTOLIC BLOOD PRESSURE

## BLANK-NOT OBTAINED

45	48	51	54	57	72	180
70	64	72	62	54	66	64
58						
	56	60	56	54	60	60
88						
	86	78	80	70	62	84
		64	56	80	64	82
						66
62	62	62	62	68	74	76
74		130	124			
80						
73	78	77	72	72	78	74
63	60	70	60	56	73	64
66	60	60	66	60	81	78
						80
62	86	52	80	68	82	
	88	74	78	65	68	
76	68	66	72	58		
66	64	68	63	61	84	
69.83	70.18	71.77	71.62	63.83	72.00	72.80
8.73	11.98	19.01	17.89	8.05	8.52	8.60
88.00	88.00	130.00	124.00	80.00	84.00	84.00
58.00	56.00	52.00	56.00	54.00	60.00	60.00

IN BPM

## VITAL SIGNS -HEART RATE

BLANK-NOT OBTAINED

TABLE 6c

SUBJECT NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
01	89	71	70	61	62	52	63	71	74	60	57	56	71	57	86	62	82	76	66	66	71
02	87	53	98	56	59	58	65	54	63	53	71	58	56	50	66	61	56	50	55	61	65
03	77	64	73	69	51	57	52	61	61	55	56	68	65	87	69	67	59	58	57	91	60
04	80	65	65	64	76	64	64	69	69	67	69	66	84	84	76	73	83	98	89	83	83
05	54	54	50	65	48	59	57	67	54	53	53	62	53	54	48	53	50	56	57	60	57
06	87	69	57	53	64	70	61	59	59	58	61	66	60	67	61	69	65	67	66	69	64
07	62	47	42	47	54	47	67	63	54	66	66	67	61	70	73	77	64	69	67	79	89
08	46	61	62	56	53	55	51	51	54	55	57										
09	52	52	50	53	51	53	47	52	52	52	55	50	46	50	48	48	57	47	49	47	46
10	83	74	71	74	83	74	76	69	83	74	70	74	64	63	93	66	59	91	89	66	70
11	107	93	75	64	66	65	64	67	63	73	61	65	61	58	61	60	63	65	71	86	63
12	60	89	67	60	61	66	65	64	65	79	66	60	63	67	60	81	67	69	69	70	66
13	64	43	42	46	43	46	49	46	48	48	44	45	44	42	43	46	50	43	45	41	45
14	60	45	58	48	46	48	48	46	45	50	46	48	48	50	45	46	54	50	46	48	50
15	70	65	77	64	58	69	59	59	59	58	62	59	64	60	57	48	53	71	60	60	52
16	82	85	70	71	74	69	65	70	71	73	70	69	63	79	70	67	79	69	70	67	74
17	67	76																			
18	70	64	60	73	64	63	61	79	62	64	58	78	60	66	60	60	62	66	66	67	73
19	70	56	67	65	70	76	67	74	67	81	60	77	69	73	66	87	63	69	70	59	56
20	62	54	65	64	52	63	63	63	55	92	90	59	60	67	66	60	61	60	62	69	70
21	71	70	59	70	56	69	63	61	70	66	57	63	60	57	78	59	66	67	58	74	60
average	71.45	64	64.16	60.68	59.74	60.74	60.21	62.32	60.95	63.74	61.68	62.61	60.67	63.56	63.78	64.44	62.28	65.33	64.06	66.06	64.11
stdev	14.59	13.95	12.89	8.567	10.54	8.958	7.527	9.026	9.327	11.84	10.03	9.044	9.154	12.05	13.39	11.76	8.576	13.58	12.02	12.98	11.7
max	107	93	98	74	83	76	76	79	83	92	90	78	84	87	93	87	79	83	98	89	91
min	46	43	42	46	43	46	47	46	45	48	44	45	44	42	43	46	48	43	45	44	41



22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	
71	77	96	80	91	61	71	67	60	66	70	62	65	65	62	73	73	69	93	62	63	64	59	
81	52	66	71	69	85	77	79	87	88	114		107	85										
57	70	48	57	60	59	71	63	58	58	69	64	63	67	62	62	61	73	85	64	87	79	74	
92	110	89	93	93	91	100	71	83	74	85	81	83			78								
53	66	73	53		76	63																	
69	83	87	87	89	69	88	89	73	77	70	76	83	73	70	76	85	74	69	96	59	52	59	
70	91	89	70	93	85	74	60	77	61	69			66	53	66	49	76	50	69	69	46		
50	63	60	74	96	60	83	63	61	65	79	57	63		56	62	54	50	60	59	50	45	69	
85	81	83	70	104	107	76	89	91	91	73	81	91	93	63	81	79	54	87	60	66	65	79	
109	71	83	73	87	79	67	77	74	71	74	67	79	76	74	74	74	76	83	74	64	62	73	
70	71	83	83	89	77	85	74	74	64	81	66	81	71	65	69	70	89	76	93	74	74	60	
48	69	74	62	65	44	50	53	74	48	63	81	59	56	56	62	55	54	63	50	45	50	60	
57	83	57	60	64	59	56	62	56	53	53	55	70	52	79	50	55	53	53					
61	81	85	74	71	79	64	74	79	76	81	94	73	92	79	69	83	83	85	83	60	71	65	
85		104	85	101	81	81	87		79	70	77	70	73	81	83	77	71	89	91	63	73	91	
77			85	89	89			96	87	81	91	83	104		85	89		79	87	59	59	83	
79	67	70	70	66	74	64	79	89	66	70	70	79	69	73	73	69	81	64	64	76	76	69	
63	66		58	62	63	60	63	61				61	53				61	51	54	57	62	61	
62			61	58		55	58			62	69	77	61	62		57	57	65	61	61	74	77	



## BLANK-NOT OBTAINED

## VITAL SIGNS-BODY TEMPERATURE

## IN DEGREES CENTIGRADE

SUBJECT NO.	00	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
01	37.00	35.80	36.10	35.60	35.30	35.70	36.20	36.20	35.60	36.10	36.20	35.70	35.60	35.50	36.10	35.50	36.10	36.50	36.00	35.90	36.40	36.10
02		36.40	36.20	35.80	38.70	35.50	36.20	36.30	36.60	36.80	37.10	36.70	36.30	36.20	35.40	36.20	35.50	35.50	35.60	36.20	35.50	35.10
03	36.60	36.60	36.60	36.10	36.40	36.70	36.60	36.40	37.00	36.80	37.10	36.70	36.30	36.60	36.10	36.70	36.70	37.00	37.00	36.70	36.80	36.80
04	36.90	36.70	36.70	36.40	36.70	36.70	36.50	36.80	36.70	36.80	36.50	36.70	36.80	36.90	36.90	36.70	36.90	36.50	37.80	37.70	36.60	37.00
05	36.30	36.10	36.20	36.70	35.80	35.90	36.20	36.40	36.10	36.20	36.20	36.00	36.30	36.30	36.30	36.00	36.00	35.90	36.50	35.90	36.40	36.10
06	37.00	36.60	36.00	35.90	34.40	36.00	36.00	36.20	35.80	36.30	35.80	36.30	35.90	35.90	35.90	36.00	36.30	36.80	36.60	36.70	36.30	36.60
07	36.20	36.30	35.40	35.90	36.70	35.90	36.00	36.20	35.80	36.30	35.80	36.30	35.90	35.90	35.90	36.00	36.30	36.80	36.60	36.70	36.30	36.60
08	36.60	36.00	36.30	36.10	35.90	36.10	36.10	36.00	36.00	36.40	36.20											
09	36.60	36.10	36.60	36.00	36.10	36.00	36.00	36.20	36.20	36.20	36.40	36.10	35.80	36.20	36.10	36.20	36.30	36.30	35.90	36.10	36.10	36.30
10	37.00	36.70	36.90	36.70	36.90	36.90	37.40	37.10	36.30	36.40	36.90	36.80	36.80	36.70	35.50	36.70	36.90	36.90	36.90	38.10	36.50	36.90
11	36.80	37.60	37.30	36.60	36.60	36.00	36.70	36.40	36.60	36.70	36.70	36.30	36.40	36.20	36.30	36.30	36.00	36.20	35.80	36.40	36.20	36.30
12	35.60	35.60	35.50	35.60	35.60	35.80	35.00	35.60	36.00	36.30	35.90	35.70	36.00	35.60	35.50	36.40	35.60	36.20	36.40	36.10	35.50	36.00
13	36.90	36.20	36.00	35.90	36.10	36.00	35.90	36.00	36.20	36.20	35.50	35.90	35.70	35.70	36.10	35.60	35.00	36.20	35.50	35.80	35.80	35.90
14	36.50	36.60	36.40	36.30	36.40	36.40	36.30	36.30	36.20	36.40	36.50	36.50	36.50	36.10	36.50	36.60	36.40	36.60	36.50	36.50	36.50	36.50
15	35.60	35.60	36.20	35.80	36.00	35.60	35.40	36.00	36.20	36.10	35.70	35.50	35.70	35.70	35.70	35.30	36.00	36.00	36.00	36.00	35.50	35.30
16	36.50	36.70	36.20	36.00	36.40	36.30	35.90	36.40	36.30	36.40	36.20	36.00	36.50	36.50	36.20	36.00	36.00	36.50	36.10	36.30	36.20	36.30
17	37.00	36.10																				
18	36.40	36.00	36.20	36.10	36.00	36.20	36.70	36.10	36.10	36.00	36.00	36.10	36.10	36.10	36.40	36.20	36.40	36.10	36.40	36.60	36.10	36.20
19	37.00	36.50	36.30	36.20	36.30	36.30	36.30	36.30	36.00	36.40	35.60	36.40	36.10	36.00	36.20	36.50	37.00	35.20	35.80		36.20	36.00
20	36.80	36.20	36.20	36.20	36.30	36.10	36.10	36.30	36.40	36.40	36.20	36.40	36.00	36.00	36.40	36.40	36.00	36.10	36.40	37.10	36.40	36.30
21	36.70	35.80	36.50	36.30	36.10	36.30	35.90	36.40	35.80	36.10	36.40	36.10	35.90	36.10	35.80	35.90	35.80	36.40	36.60	35.90	36.00	36.00
average	36.60	36.30	36.29	36.11	36.24	36.12	36.17	36.28	36.20	36.37	36.25	36.22	36.14	36.12	36.07	36.17	36.30	36.30	36.34	36.48	36.17	36.23
stdev	0.42	0.46	0.43	0.32	0.80	0.37	0.50	0.31	0.34	0.24	0.47	0.37	0.36	0.37	0.38	0.41	0.51	0.46	0.55	0.63	0.37	0.48
max	37.00	37.60	37.30	36.70	38.70	36.90	37.40	37.10	37.00	36.80	37.10	36.80	36.80	36.90	36.90	36.70	37.00	37.00	37.80	38.10	36.80	37.00
min	35.60	35.60	35.40	35.60	34.40	35.50	35.00	35.60	35.60	36.00	35.50	35.50	35.60	35.50	35.40	35.30	35.00	35.20	35.50	35.80	35.50	35.10

BLANK-NOT OBTAINED

VITAL SIGNS-BODY TEMPERATURE

IN DEGREES CENTIGRADE

	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44
35.60	36.70	36.20	36.30	35.90	36.10	36.30	36.50	36.00	35.20	36.70	36.30	36.00	35.40	34.60	36.00	36.30	35.20	36.60	35.60	35.30	36.00	36.10	35.40
35.30	35.70	36.00	35.90	36.10	36.30	36.50	36.70	36.50	36.50	36.40	38.20	38.30	38.30	36.90	36.60	36.50	36.70	35.70	36.60	36.10	36.90	37.00	35.70
36.60	36.70	36.40	36.70	35.80	36.50	36.60	36.60	36.70	36.40	36.20	36.70	36.20	36.80	36.50	36.60	36.80							
36.70	37.10	36.40	37.20	37.00	37.00	37.20	37.20	36.80	36.90	36.70	36.80	37.00	36.90	36.60	36.60	36.80							
36.10	34.80	35.30	35.00		35.70	35.80																	
36.40	36.40	36.70	36.10	36.10	37.00	37.00	36.50	37.00	36.60	36.70	36.70	37.00	37.10	36.00	35.90	36.90	36.90	36.40	36.00	36.90	37.20	35.80	36.40
36.70	36.40	35.50	36.20	36.60	36.60	36.90	39.90	36.70	35.50	36.30	36.70			36.60	36.50	36.60	35.60	36.20	35.60	37.20	35.80		
36.00	36.30	37.00	36.40	35.80	36.00	36.40	36.40	36.20	36.20	36.40	36.10	36.50		36.30	36.70	36.50	36.20	36.20	36.20	36.10		36.10	36.30
36.50	36.20	36.10	36.00	35.90	37.00	37.00	36.80	36.90	35.80	36.40	36.90	36.60	36.40	35.50	36.40	36.60	36.30	36.60	36.90	36.70	36.70	36.60	36.40
36.10	35.30	36.30	35.70	35.80	36.10	36.10	36.00	36.00	36.30	36.40	36.10	36.70	36.90	36.10	36.40	36.60	35.50	36.20	36.60	36.70	36.40	36.50	36.40
36.20	36.30	35.70	36.40	36.70	36.70	35.70	35.80	36.10	36.00	36.40	35.50	36.60	35.80	36.00	35.80	35.40	35.60	36.20	35.40	35.20	35.80	35.80	35.60
36.30	35.00	36.30	34.80	35.60	35.60	35.00	39.70	34.80	34.80	35.30	39.50	35.00	33.20	35.50	35.10	36.20	36.00	35.50	34.80	35.20	36.00	35.00	35.50
36.00	37.20	36.10	36.20	36.50	35.90	35.90	36.40	35.50	35.80	36.10	36.90	36.40	35.40	36.50	36.70	36.30	35.70	36.10	36.60				
35.00	35.70	35.80	35.30	36.00	36.00	36.00	35.80	36.00	34.70	34.60	36.10	35.30	34.10	35.10	35.10	35.40	36.00	35.00	35.40	36.00	36.10	36.00	36.40
36.00		36.70	36.70	36.80	36.80	35.80	36.20	36.30		36.10	36.20	36.90	36.10	35.90	36.10	36.20	36.00	36.10	35.80	36.30	36.20	36.60	36.90
36.50				35.80	36.60	36.80		36.50	35.80		36.70	36.60	36.10	36.70		36.50	35.30		36.80	36.30		36.10	
35.40	35.70	35.40	34.40	36.40	36.40	36.30	35.50	36.30	36.50	36.70	36.30	36.70	36.10	36.10	36.70	36.40	36.20	36.30	36.30	36.40		36.30	36.40
36.30	36.60		36.30	36.50	35.50	35.50	36.70	36.80	36.00	36.60	36.50	36.10	36.00	36.00				36.20	36.40	36.10	36.40	36.60	36.30
36.20			36.10	36.00	36.10	36.10	36.30				36.10	36.30		36.00	36.30			35.70	35.60	35.80	36.00	36.60	36.40
36.10	36.13	36.14	35.97	36.28	36.18	36.71	36.30	35.94	36.25	36.68	36.37	36.04	36.05	36.19	36.35	35.94	36.07	36.04	36.08	36.34	36.22	36.16	
0.48	0.70	0.50	0.69	0.45	0.54	1.20	0.56	0.63	0.56	0.90	0.56	1.23	0.59	0.53	0.43	0.50	0.43	0.60	0.55	0.44	0.48	0.45	
36.70	37.20	37.00	37.20	37.00	37.00	39.90	37.00	36.90	36.70	39.50	37.00	38.30	36.90	36.70	36.90	36.90	36.60	36.90	36.90	36.90	37.20	37.00	36.90
35.00	34.80	35.30	34.40	35.60	35.00	35.50	34.80	34.70	34.60	35.50	35.00	33.20	34.60	35.10	35.40	35.20	35.00	34.80	35.20	35.80	35.00	35.40	

- 42 -

IN POUNDS

WEIGHT

BLANK-NOT OBTAINED

TABLE 6e

SUBJECT NO.	00	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
01																						
02																						
03																						
04																						
05																						
06		169	166	166	166	169	170	170	170	169	172	174	172	173	173	179	181	179	178.5	178.5	181.5	179
07		160	160	164	167	164	171	170	169	170	172	174	172	173	173	179	181	179	178.5	178.5	181.5	179
08		127	125	125	125	125	126	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125
09		167	166	166	164	164	166	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164
10		167	161	163	161	161	161	162	164	164	164	164	164	164	164	164	164	164	164	164	164	164
11		148	148	148	146	146	145	145	146	146	146	146	146	146	146	146	146	146	146	146	146	146
12		181	180	182	182	182	182	182	185	184	183	184	184	184	184	182	183	183.7	185	183	182	183
13		137	139	139	139	140	139	139	140	140	140	140	140	140	141	141	140	140	140	140	140	140
14			163	161	161	161	162	162	162	163	163	163	162	162	162	162	163	166	165	163	164	164
15		154	153	153	154	153	153	154	152	152	152	152	152	153	152	152	152	152	152	152	153	153
16		166	163	163	162	165	165	163.5	165	165	165	165	165	165	167	166	167.5	167	167	167	168	168
17		168																				
18		145	145	145	145	145	145	144	148	148	150	144	144	150	150	152	151	152	151	152	152	152
19		178	176	176	175	174	174	174	173	177	173	171	171	172	172	172	171	171	172	173	173	172
20		170	170	172.5		175	175	172	173	174	173	174	174.5	175	176	175	175	175	178	178	177	179
21	206	202	200	200	199	200	200	200	202	203	200	203	203	204	202	202	202	201	202	204	200	202
average	206	163	161	162	161	162	162	162	161	162	162	162	163	164	165	164	165	165	165	157	166	166
stdev	###	18.57	17.96	18.23	18.6	18.36	18.54	18.45	17.93	18.38	17.62	16.19	16.16	15.86	15.31	15.53	15.83	15.67	16.16	41.75	15.83	16.18
max	206	202	200	200	199	200	200	200	202	203	200	203	204	202	202	202	202	201	202	204	200	202
min	206	127	125	125	125	125	126	125	125	125	125	140	140	141	141	141	140	140	140	11	140	140

2/1

IN POUNDS

WEIGHT

BLANK-NOT OBTAINED

45	48	51	54	57	72	180
152	149	148	147	147	150	152
150	150	148	150	150	152	147
172.5	172	171	170	173	174	172
168		170	169			
151						
184	183	184.5	183	184	183	192
136	141	141	137	138	137	134
158	158	158	164	160	155	
154	152	150	150	152		
181	174	179	174	178	178	
180	181	182	180			
204	205	204	208	210	204	
166	167	167	167	166	167	159
19.12	19.9	19.59	20.13	22.6	21.88	22.78
204	205	204	208	210	204	192
136	141	141	137	138	137	134



TABLE 7

BHCg

BLANK-NOT OBTAINED

SUBJECT NO.	SCR	DAY 0	DAY 28	DAY 54	DAY 84	DAY 112	DAY 140	DAY 168						
03	-	-	-	-	-	-	-	-						
10	-	-	-	-	-	-	-	-						
11	-	-	-	-	-	-	-	-						

## WBC

BLANK-NOT OBTAINED

TABLE 8a

SUBJECT NO.	SCR	DAY 0	DAY 1	DAY 4	DAY 7	DAY 14	DAY 21	DAY 28	DAY 35	DAY 42	DAY 54	DAY 72	DAY 180
01	8.10	8.50	6.40	6.20	7.00	7.00	5.10	5.60	5.10	7.40	5.70	6.80	6.00
02	4.50	5.00	3.30	4.60	4.90	5.50	5.70	5.20	3.20				
03	4.50	5.20	5.20	4.10	5.70	4.50	3.50	3.50	3.40	4.00	3.70	5.90	3.00
04	7.50	7.20	6.20	6.80	6.00	7.10	7.00	6.30	6.60	6.40			
05	4.30	3.70	3.20	3.00	3.10	3.50	3.80	3.40	3.10				
06	4.30	4.10	4.00	4.90	4.00	4.20	4.40	4.40	3.90	4.00	3.70	6.40	5.80
07	5.30	5.00	3.90	4.30	4.50	5.70	6.00	4.50		5.00	6.10		
08	3.70	3.60	5.00	5.40	4.30								
09	5.50	6.40	6.60	8.00	7.20	6.70	6.20	5.70	6.80	7.00	5.80		
10	5.30	4.40	4.70	4.50	4.80	4.50	5.20	5.20	4.60	4.40	5.00		
11	8.80	5.60	4.10	4.50	5.40	6.00	7.90	6.30		6.30			
12	6.10	4.50	3.80	4.10	4.10	4.00	4.20	3.70	4.30	3.90	4.30		
13	5.60	6.00	5.00	5.10	5.80	5.50	5.30	4.00	4.60	3.70	6.00		
14	11.70	8.10	7.70	7.70	9.30	6.70	7.00	8.20					
15	6.36	6.00	6.10	6.10	5.40	5.40	5.00	6.40	6.90	6.10	5.80		8.70
16	5.70	6.50	5.60	5.80	5.30	5.60	5.70	5.90	6.00	5.50			
17	6.70	8.40	6.00										
18	4.50	4.60	4.30	5.10	5.70	6.50	6.00	5.00	4.90	3.80	4.60		
19	5.60	7.30	5.70	10.80	8.80	10.80	7.00	6.20	5.20	6.40	5.60		
20	4.70	5.10	3.60	4.40	5.10	4.80	5.20	5.80	3.60	3.30	6.10		
21	6.70	6.90	6.30	6.60	6.60	7.60	6.20	5.40	5.40	5.40	5.40	5.20	
average	5.97	5.81	5.08	5.60	5.65	5.87	5.60	5.30	4.85	5.16	5.22	6.08	5.88
stdev	1.86	1.50	1.25	1.76	1.54	1.65	1.16	1.20	1.26	1.32	0.87	0.69	2.33
max	11.70	8.50	7.70	10.80	9.30	10.80	7.90	8.20	6.90	7.40	6.10	6.80	8.70
min	3.70	3.60	3.20	3.00	3.10	3.50	3.50	3.40	3.10	3.30	3.70	5.20	3.00

g/dL

## HEMOGLOBIN

BLANK-NOT OBTAINED

SUBJECT NO.	SCR	DAY 0	DAY 1	DAY 4	DAY 7	DAY 14	DAY 21	DAY 28	DAY 35	DAY 42	DAY 54	DAY 72	DAY 180
01	15.80	17.30	17.00	14.80	14.90	14.20	15.50	13.20	13.90	13.90	14.00	14.70	14.30
02	15.30	16.30	14.10	15.40	15.10	16.40	15.00	15.00	14.90	14.50			
03	14.10	13.30	15.20	12.90	13.20	14.50	12.50	13.30	11.60	12.50	12.30	12.20	12.10
04	14.90	14.80	15.40	14.80	14.20	14.10	13.60	13.90	13.60				
05	14.80	14.00	13.70	13.50	13.10	13.20	13.60	14.10					
06	14.20	14.30	14.20	13.80	13.50	13.80	13.10	13.50	14.00	13.60	13.20	13.40	14.50
07	14.20	12.70	12.40	13.00	13.30	12.80	12.80	12.20		12.00	12.70		
08	13.90	13.70	13.70	13.50	13.20								
09	14.20	14.30	14.20	14.80	13.80	13.70	12.90	13.80	12.00	13.90	13.50		
10	12.00	11.80	11.90	11.50	11.40	11.40	10.20	10.80	11.00	11.40	11.70		
11	12.00	11.90	12.00	11.70	12.10	10.90	11.30	10.40		10.70			
12	15.60	13.80	14.20	13.80	14.00	13.60	13.20	13.80	14.10	13.90	13.80		
13	14.90	14.40	14.70	14.00	13.60	13.40	13.80	13.60	13.90	14.70	13.40		
14	15.40	14.00	14.20	15.10	13.80	15.30	15.00	14.40	14.80				
15	17.60	15.90	15.40	15.80	14.40	14.90	13.00	15.80	16.10	14.80	14.50		
16	14.70	13.80	13.90	14.40	13.80	12.90	13.20	13.30	13.60	12.30			
17	16.20	16.10	16.00										
18	13.80	13.40	13.60	13.50	13.40	13.20	12.60	12.40	12.70	12.90	13.10		
19	15.10	14.50	15.00	15.50	15.40	15.30	14.80	14.70	14.80	14.70	14.50		
20	15.90	14.40	15.00	16.90	14.90	14.60	15.10	13.30	15.00	14.90	15.40	16.10	
21	15.20	15.10	14.80	14.50	14.90	14.60	13.50	14.20	14.50	15.30	14.70	15.10	
average	14.71	14.24	14.31	14.16	13.80	13.80	13.41	13.77	13.78	13.49	13.60	14.30	13.63
stdev	1.32	1.39	1.24	1.33	1.00	1.33	1.33	1.87	1.36	1.38	1.03	1.52	1.33
max	17.60	17.30	17.00	16.90	15.40	16.40	15.50	19.30	16.10	15.30	15.40	16.10	14.50
min	12.00	11.80	11.90	11.50	11.40	10.90	10.20	10.40	11.00	10.70	11.70	12.20	12.10

TABLE 8c

BLANK-NOT OBTAINED

HEMATOCRIT

SUBJECT NO.	SCR	DAY 0	DAY 1	DAY 4	DAY 7	DAY 14	DAY 21	DAY 28	DAY 35	DAY 42	DAY 54	DAY 72	DAY 180
01	46.50	48.00	49.70	43.50	43.00	41.00	45.40	38.80	40.30	40.90	41.80	44.50	43.00
02	45.30	46.00	41.90	45.20	44.30	48.70	44.40	43.30	43.40	43.30			
03	41.80	40.10	44.60	37.60	39.70	42.20	37.60	38.70	34.50	37.00	36.80	36.80	35.50
04	47.40	42.90	45.20	43.20	42.10	41.00	39.80	41.80	40.50				
05	41.60	42.20	41.20	40.60	39.50	39.00	41.40	43.20					
06	42.00	41.20	41.70	40.50	39.40	39.90	37.80	38.90	39.70	40.00	39.70	39.30	41.00
07	43.00	38.30	37.90	39.30	36.80	37.00	38.70	38.90		36.80	39.10		
08	42.90	41.80	40.80	41.30	39.50								
09	42.90	42.80	41.70	44.50	36.40	39.90	39.30	42.50	36.20	42.20	40.30		
10	35.40	35.30	35.80	34.30	32.00	33.50	31.20	33.40	33.50	34.60	34.40		
11	36.50	35.20	34.50	34.00	36.20	33.60	35.40	31.90		32.50			
12	47.90	40.00	43.40	43.00	42.90	39.40	40.00	40.00	40.50	40.60	40.40		
13	44.90	42.50	43.20	40.90	40.00	37.80	39.40	38.60	40.80	42.50	40.20		
14	44.50	41.70	41.40	43.90	44.30	44.10	44.10	42.40	44.20				
15	53.30	46.80	43.90	46.00	43.90	42.20	37.00	45.00	47.00	43.50	41.80		
16	43.50	42.60	43.00	42.80	42.30	38.40	39.00	39.70	41.30	37.60			
17	48.30	48.40	47.40										
18	38.90	40.20	40.40	40.80	40.50	40.80	37.00	37.40	38.40	39.60	39.60		
19	45.50	44.10	44.00	45.30	44.80	45.00	44.10	43.00	43.90	42.90	42.70		
20	45.50	42.40	43.60	45.50	44.30	43.30	43.50	56.30	44.00	43.50	46.00	47.60	
21	42.90	43.80	42.80	41.90	43.30	42.80	38.90	41.40	41.80	44.50	43.80	43.30	
average	43.83	42.20	42.29	41.71	40.76	40.51	39.68	40.80	40.56	40.13	40.51	42.30	39.83
stdev	4.00	3.47	3.43	3.40	3.43	3.69	3.55	5.00	3.63	3.53	2.94	4.28	3.88
max	53.30	48.40	49.70	46.00	44.80	48.70	45.40	56.30	47.00	44.50	46.00	47.60	43.00
min	35.40	35.20	34.50	34.00	32.00	33.50	31.20	31.90	33.50	32.50	34.40	36.80	35.50

TABLE 8d

BLANK-NOT OBTAINED

RBC

MILL/cuMM

SUBJECT NO.	SCR	DAY 0	DAY 1	DAY 4	DAY 7	DAY 14	DAY 21	DAY 28	DAY 35	DAY 42	DAY 54	DAY 72	DAY 180
01	5.29	5.49	5.66	4.93	4.94	4.71	5.14	4.42	4.60	4.63	4.74	5.08	-5.09
02	4.99	5.18	4.67	5.01	4.92	5.39	4.92	4.90	4.94	4.87			
03	4.76	4.57	5.12	4.31	4.49	4.90	4.33	4.50	3.03	4.37	4.28	4.39	4.42
04	5.30	4.76	4.99	4.84	4.63	4.59	4.43	4.61	4.50				
05	4.78	4.85	4.72	4.67	4.59	4.56	4.74	4.98					
06	4.86	4.80	4.81	4.69	4.85	4.65	4.35	4.48	4.58	4.64	4.59	4.54	4.86
07	4.77	4.32	4.18	4.36	3.98	4.15	4.16	4.31		4.21	4.47		
08	5.01	4.94	4.83	4.85	4.71								
09	4.88	4.90	4.81	5.03	4.15	4.57	4.46	4.84	4.15	4.79	4.55		
10	4.01	4.01	4.07	3.91	3.66	3.82	3.55	3.82	3.85	3.99	3.97		
11	4.18	4.01	4.03	3.89	4.15	3.80	3.98	3.60		3.66			
12	4.99	4.18	4.54	4.50	4.47	4.15	4.16	4.22	4.34	4.28	4.27		
13	5.01	4.76	4.82	4.52	4.42	4.25	4.39	4.30	4.48	4.71	4.42		
14	4.71	4.51	4.51	4.75	4.68	4.72	4.72	4.56	4.75				
15	6.36	5.68	5.37	5.49	5.22	5.08	4.51	5.10	5.60	5.19	5.01		
16	4.91	4.75	4.82	4.79	4.65	4.32	4.45	4.44	4.63	4.25			
17	5.61	5.65	5.54										
18	4.49	4.70	4.73	4.73	4.70	4.73	4.43	4.40	4.45	4.51	4.64		
19	5.27	5.01	5.09	5.28	5.23	5.18	5.12	4.99	5.08	4.97	4.97		
20	4.47	4.19	4.31	4.62	4.34	4.22	4.27	5.54	4.35	4.30	4.57	4.77	
21	4.76	4.79	4.72	4.63	4.76	4.66	4.20	4.49	4.57	4.90	4.74	4.74	
average	4.92	4.76	4.78	4.69	4.58	4.55	4.44	4.55	4.49	4.52	4.56	4.70	4.79
stdev	0.49	0.48	0.44	0.39	0.39	0.43	0.38	0.45	0.55	0.40	0.29	0.26	0.34
max	6.36	5.68	5.66	5.49	5.23	5.39	5.14	5.54	5.60	5.19	5.01	5.08	5.09
min	4.01	4.01	4.01	3.89	3.66	3.80	3.55	3.60	3.03	3.66	3.97	4.39	4.42

TABLE 8e

BLANK-NOT OBTAINED

MCV

SUBJECT NO.	SCR	DAY 0	DAY 1	DAY 4	DAY 7	DAY 14	DAY 21	DAY 28	DAY 35	DAY 42	DAY 54	DAY 72	DAY 180
01	88.00	87.00	87.80	88.20	87.00	86.90	88.20	87.50	87.60	88.20	88.10	87.50	84.00
02	90.70	89.00	89.70	90.10	90.00	90.30	90.20	88.30	87.80	88.90			
03	87.80	87.80	86.90	87.20	88.40	86.00	86.90	85.80	85.60	84.80	85.90	83.80	80.00
04	89.30	90.00	90.60	89.50	90.90	89.00	89.90	90.70	90.00				
05	87.00	86.80	87.20	86.80	86.00	85.00	87.30	86.60					
06	86.40	85.80	86.70	86.00	86.00	85.70	87.00	86.80	86.70	86.30	86.60	80.40	84.00
07	90.00	90.30	90.70	90.10	90.00	88.60	89.00	89.70		87.40	87.40		
08	85.60	84.60	84.50	85.10	84.00								
09	87.90	87.20	88.70	88.30	83.50	87.10	88.20	87.70	87.30	88.00	88.60		
10	88.30	88.00	88.00	87.70	87.60	87.50	87.70	87.40	86.90	86.60	86.50		
11	87.30	87.60	86.00	87.40	87.20	88.50	88.80	88.50		88.80			
12	85.90	85.40	85.60	85.60	86.80	85.80	86.20	84.20	84.70	93.00	94.70	91.60	
13	89.50	89.30	89.60	90.30	90.30	88.90	89.60	89.90	90.60	90.20	91.00		
14	94.00	92.40	91.20	92.40	94.70	93.20	93.40	92.80	92.80				
15	83.80	82.30	81.80	83.70	83.90	83.10	81.80	83.10	84.00	83.70	83.50		
16	89.00	89.70	89.30	89.30	91.00	89.00	87.00	89.40	89.10	88.40			
17	85.90	85.60	85.60										
18	86.60	85.50	85.20	86.10	86.10		83.00	85.10	86.10	86.50	85.40		
19	86.30	87.90	86.00	85.80	85.60	86.70	86.20	85.90	86.40	86.20	85.80		
20	101.70	101.10	101.20	99.00	102.10	102.40	103.90	101.60	101.00	101.10	100.50	99.70	
21	90.00	91.40	90.70	90.80	90.80	91.70	92.70	92.10	90.00	90.70	92.40	91.40	
average	89.10	88.80	88.62	88.97	89.06	89.19	89.21	89.11	89.16	88.68	88.95	89.57	82.67
stdev	3.99	4.02	4.12	3.61	4.57	4.46	4.52	4.09	4.19	4.02	4.64	7.11	2.31
max	101.70	101.10	101.20	99.00	102.10	102.40	101.90	101.60	101.00	101.10	100.50	99.70	84.00
min	83.80	82.30	81.80	83.70	83.50	83.10	81.80	83.10	84.00	83.70	83.50	80.40	80.00

BLANK-NOT OBTAINED

MCHC

g/dL1

TABLE 8f

SUBJECT NO.	SCR	DAY 0	DAY 1	DAY 4	DAY 7	DAY 14	DAY 21	DAY 28	DAY 35	DAY 42	DAY 54	DAY 72	DAY 180
01	29.90	31.50	30.00	30.10	30.20	30.10	30.10	29.80	30.30	30.10	29.60	29.00	30.10
02	30.60	31.50	30.10	30.80	30.80	30.30	30.40	30.60	30.10	29.80			
03	29.60	29.10	29.60	29.90	29.40	29.60	28.90	29.50	28.80	28.70	28.90	27.70	27.70
04	28.20	31.00	31.00	30.60	30.60	30.80	30.70	30.20	30.20				
05	28.90	28.90	29.00	28.90	28.50	28.90	28.60	28.30					
06	29.30	29.70	29.50	29.40	29.40	29.70	30.10	30.00	30.60	29.40	28.90	29.40	29.80
07	29.80	30.10	29.70	29.80	33.40	30.80	30.80	28.30		28.40	28.40		
08	27.90	27.80	28.30	27.90	28.00								
09	29.20	29.30	29.60	29.30	33.20	29.90	28.80	28.60	28.80	29.00	29.80		
10	29.80	29.50	29.20	29.40	31.30	29.90	28.70	28.20	28.60	28.50	29.50		
11	28.80	29.60	29.90	30.00	29.10	28.60	28.50	29.00		29.30			
12	31.20	31.20	31.30	30.80	31.30	31.50	31.80	32.70	32.50	32.50	32.30		
13	29.80	30.20	30.50	31.00	30.80	39.60	31.50	31.50	31.10	31.20	30.40		
14	32.70	31.10	31.50	31.80	31.70	32.40	31.80	31.50	31.20				
15	27.70	28.00	28.70	28.90	27.60	29.40	28.80	29.90	28.80	28.50	29.00		
16	29.90	29.00	28.90	30.10	29.60	29.90	29.60	29.90	29.30	29.00			
17	28.90	28.40	28.90										
18	28.90	28.50	28.60	28.50	28.50	27.80	28.40	28.30	28.40	28.30			
19	28.60	29.00	29.50	29.50	29.40	29.50	28.90	29.40	29.10	29.60	29.10		
20	35.50	34.40	34.70	36.60	34.40	34.70	35.40	34.90	34.60	34.60	33.90	33.80	
21	31.40	31.60	31.40	31.50	31.40	31.30	32.00	31.60	31.70	31.20	31.10	34.90	
average	29.86	29.97	30.00	30.24	30.43	30.77	30.20	30.12	30.26	29.88	30.08	30.96	29.20
stdev	1.79	1.56	1.43	1.79	1.83	2.61	1.77	1.73	1.68	1.73	1.62	3.18	1.31
max	35.50	34.70	36.60	36.60	39.60	39.60	35.40	34.90	34.60	34.60	34.90	34.90	30.10
min	27.70	27.80	28.30	27.90	27.60	27.80	28.40	28.20	28.40	28.30	28.40	27.70	27.70

BLANK-NOT OBTAINED

MCH

SUBJECT NO.	SCR	DAY 0	DAY 1	DAY 4	DAY 7	DAY 14	DAY 21	DAY 28	DAY 35	DAY 42	DAY 54	DAY 72	DAY 180
01	34.10	36.30	34.20	34.10	34.70	34.60	34.10	34.00	43.60	34.10	33.60	33.20	35.90
02	33.70	35.30	33.60	34.10	34.20	33.60	33.70	34.70	34.30	33.50			
03	33.70	33.20	34.10	34.30	33.20	34.40	33.30	34.30	33.60	33.80	33.60	33.10	34.30
04	31.80	34.40	34.20	34.10	33.60	34.50	34.20	33.30	33.60				
05	33.20	33.30	33.30	33.20	33.30	33.90	32.80	32.70					
06	33.80	34.60	34.00	34.30	34.20	34.70	34.80	34.50	35.30	34.00	33.30	34.00	35.40
07	33.30	33.30	32.70	33.10	33.10	34.80	34.80	31.50		32.50	32.50		
08	32.50	32.90	33.40	32.80	33.30								
09	33.20	33.50	34.10	33.20	33.90	34.40	32.70	32.80	33.00	33.00	33.60		
10	33.70	33.50	33.20	33.50	33.40	34.10	32.70	32.30	32.90	32.90	34.00		
11	32.90	33.80	34.70	34.30	33.30	32.30	32.00	32.70		33.00			
12	32.80	32.60	32.70	32.20	32.60	33.10	33.10	34.50	35.00	34.30	34.20		
13	33.30	33.80	34.00	34.30	34.10	35.50	35.20	35.10	34.40	34.50	33.40		
14	43.80	33.60	34.50	34.40	33.50	34.70	34.00	33.90	33.60				
15	33.10	33.90	35.00	34.50	32.90	35.30	35.10	35.20	34.30	34.10	34.10	34.60	
16	33.10	32.40	32.40	33.70	32.50	33.60	34.10	33.40	32.80	32.80			
17	33.50	33.20	33.70										
18	33.30	33.20	33.60	33.00	33.10	32.30	34.30	33.20	33.00	32.30	33.10		
19	33.10	32.90	34.40	34.30	34.30	34.00	33.60	34.20	33.70	34.40	33.90		
20	34.90	34.00	34.30	36.80	33.60	33.80	34.70	34.40	34.20	34.20	33.50	33.90	
21	35.40	34.50	34.50	34.60	34.50	34.10	34.50	34.30	35.20	34.40	33.70	31.90	
average	33.90	33.72	33.84	33.94	33.97	34.09	33.88	33.73	34.53	33.61	33.58	33.45	35.20
stdev	2.40	0.91	0.69	0.95	1.36	0.86	0.91	1.02	2.55	0.75	0.45	0.94	0.82
max	43.80	36.30	35.00	36.80	37.90	35.50	35.20	35.20	43.60	34.50	34.20	34.60	35.90
min	31.50	32.40	32.40	32.20	32.50	32.30	32.00	31.50	32.80	32.30	32.50	31.90	34.30



TABLE 8h

BLANK-NOT OBTAINED

RETICULOCYTE COUNT

%

SUBJECT NO.	SCR	DAY 0	DAY 1	DAY 4	DAY 7	DAY 14	DAY 21	DAY 28	DAY 35	DAY 42	DAY 54	DAY 72	DAY 180
01		2.00	0.70	2.50	1.80	1.50	1.50	1.50	2.00	1.50	1.90	1.00	1.10
02		1.50	0.10	1.80	1.90	1.40	2.00	0.40	1.90	0.50			
03		1.00	1.50	0.70	3.50	1.20	2.00	0.10	2.00	1.40	1.60	1.20	1.30
04	0.60	1.20	2.50	2.50	1.90	2.00	3.00	4.40	1.00				
05	1.20	2.30	2.00	2.50	2.40	1.50	1.50	2.80					
06		0.40	1.00	0.50		3.60	1.60	1.50	1.00	1.00	0.80	0.90	2.00
07	1.00	0.50	0.20	1.10	1.00	2.40	3.80	1.30		1.40	0.80		
08	0.60	1.00	1.60	0.40	1.50								
09	0.10	1.30	1.20	1.20	1.00	2.00	2.50	1.00	2.40	0.50	0.30		
10		2.00	0.10	0.30	1.00	1.70	2.00	1.10	0.10	0.60	1.20		
11	2.70	4.30	2.10	0.90	3.00	4.50	6.70	5.40		1.00			
12		2.50	2.80	2.00	1.30	1.10	0.00	2.00	4.60	1.20			
13			3.30		1.40	1.80	1.50	1.80	2.00	1.10	1.30		
14			3.90	2.30	2.40	1.70	2.40	2.70	0.30				
15			2.70	2.00	3.60	1.70	1.60	2.60	1.50	2.60	2.80		
16			2.10	1.00	0.80	0.80	1.30	2.70	0.90	0.50			
17		1.00	1.00										
18		1.20	1.30	0.60	0.60	0.80	0.90	1.50	1.50	2.40	0.90		
19		0.90	0.30	0.70	1.00	0.40	1.80	1.00	0.30				
20		0.90			1.80	2.50	3.50	3.00	1.00	2.00	1.40	3.20	
21	0.30	1.00	2.00	1.40	3.00	3.50	1.00	1.20	3.40	0.50	3.40	0.50	
average	0.93	1.47	1.62	1.37	1.84	1.90	2.14	1.97	1.62	1.21	1.49	1.36	1.47
stdev	0.87	0.94	1.09	0.81	0.92	1.04	1.42	1.31	1.17	0.69	0.92	1.06	0.47
max	2.70	4.30	3.90	2.80	3.60	4.50	6.70	5.40	4.60	2.60	3.40	3.20	2.00
min	0.10	0.40	0.10	0.30	0.60	0.40	0.00	0.10	0.10	0.50	0.30	0.50	1.10

## EOSINOPHILS

blank- NOT OBTAINED

SUBJECT NO.	DAY 0	DAY 1	DAY 4	DAY 7	DAY 14	DAY 21	DAY 28	DAY 35	DAY 42	DAY 54	DAY 72	DAY 180
01	0.00	0.00	5.10	4.60	5.40	6.20	5.80	5.60	3.30	3.90	5.60	0.00
02	0.00	0.00	3.00	4.80	5.10	5.50	6.20	0.30	1.90			
03	1.20	1.30	1.20	2.10	2.20	2.30	2.50	1.70	1.40	3.50	0.00	0.00
04		1.10	1.30	1.00	0.00	0.90	0.80	0.00				
05	4.70	6.00	5.70	4.00	0.00	3.80	3.40					
06	0.00	0.70	1.90	0.00	2.30	1.90	2.70	2.10	2.20	1.50	2.00	0.00
07	0.00	2.80	3.60	5.60	6.00	0.00	3.90		3.50	0.00		
08	4.00	5.40	5.90	6.00								
09	1.20	1.00	2.50	2.30	1.30	2.00	1.70	0.80	1.70	1.00		
10	2.00	2.50	2.30	1.20	2.00	1.80	2.90	1.70	2.10	1.80		
11	2.40	0.90	0.00	4.00	0.00	3.30	3.10		4.70			
12	0.90	0.80	1.60	2.40	2.00	2.20	1.60	0.00	1.70	1.70		
13	2.50	1.40	4.20	3.70	3.10	3.80	3.50	4.30	5.10	4.70	4.70	
14	0.00	1.40	2.00	2.00	1.20	2.00	4.10	2.00				
15	6.70	5.20	8.00	7.90	9.60	11.60	16.10	15.90	14.30	12.00		0.00
16	0.00	2.20	3.20	3.30	3.70	0.00	4.90	3.50	3.00			
17	9.20	1.00	7.80									
18	2.80	3.60	1.00	1.00	3.70	3.40	0.00	3.20	3.10	2.40		
19	2.70	2.80	0.00	3.00	2.60	2.00	3.30	3.30	2.70	3.00		
20	2.20	0.00	3.00	0.00	2.70	4.00	2.30	2.00	2.50	1.10	2.00	
21	2.10	2.60	2.30	2.70	3.10	2.60	3.00	0.00	3.40			
average	2.23	2.03	3.12	3.11	2.76	3.53	2.95	3.99	3.54	3.05	2.86	0.00
stdev	2.43	1.77	2.27	2.07	2.60	2.72	2.70	3.23	3.05	3.12	2.27	0.00
max	9.20	6.00	8.00	7.90	12.00	10.00	16.10	15.90	14.30	12.00	5.60	0.00
min	0.00	0.00	0.00	0.00	0.00	0.00	0.80	0.00	1.40	0.00	0.00	0.00

TABLE 8j

## SEGMENTED

BLANK-NOT OBTAINED

SUBJECT NO.	SCR	DAY 0	DAY 1	DAY 4	DAY 7	DAY 14	DAY 21	DAY 28	DAY 35	DAY 42	DAY 54	DAY 72	DAY 180
01	66.00	68.00	51.40	51.70	55.90	57.60	56.30	60.00	57.50	65.10	52.80	52.20	68.00
02	50.00	52.00	46.30	49.20	50.30	45.70	44.00	50.90	56.50	37.50			
03	54.20	53.20	51.00	43.00	63.80	48.50	47.70	44.60	52.20	47.60	57.70	76.00	50.00
04		64.90	57.70	60.30	52.50	59.00	65.10	72.10	61.00				
05	50.10	51.40	45.70	41.00	51.00	59.00	51.00	51.30	57.40				
06	58.00	64.80	54.10	58.00	58.10	60.80	66.20	55.70	59.10	60.90	58.20	70.60	64.00
07	52.00	46.50	48.70	46.40	54.30	53.20	58.00	60.30		53.60	63.00		
08	48.00	38.10	35.10	36.00	42.00								
09	61.10	67.20	61.90	64.40	67.00	53.00	65.70	66.80	69.20	68.50	65.20		
10	51.60	48.30	49.50	57.70	49.00	58.00	63.50	58.80	54.20	49.70	45.60		
11	63.30	77.60	78.00	42.40	52.00	52.20	59.70	58.80		54.70			
12	60.20	53.00	56.50	49.20	51.60	55.80	52.10	55.00	56.00	53.90	55.70		
13	54.40	53.90	42.10	48.20	54.40	46.00	43.90	43.90	46.70	43.60	40.20	57.90	
14	69.00	56.50	56.60	56.00	61.50	59.10	55.90	62.90	65.50				
15	41.40	40.00	47.00	41.80	47.00	38.50	36.30	43.90	44.90	37.00	43.00		
16	60.00	65.00	57.20	54.10	56.30	57.60	62.00	50.30	53.80	53.20			
17	58.90	72.00	54.00										
18	61.40	48.80	46.00	53.00	47.20	46.40	51.00	51.30	45.20	31.20	42.80		
19	53.30	55.30	50.00	51.50	48.30	65.80	45.90	49.60	49.90	58.90	56.10		
20	52.60	43.00	50.00	49.00	51.60	32.00	30.00	48.50	53.10	35.30	66.00	44.70	
21	60.40	66.10	60.10	62.00	59.90	58.90	56.30	59.30	60.00	50.90	59.40	56.50	
average	56.30	56.46	51.36	50.75	53.69	53.01	54.24	54.95	55.42	50.10	54.28	59.65	60.67
stdev	6.69	10.80	9.92	7.63	6.14	8.37	8.44	7.77	6.65	10.87	8.78	11.66	9.45
max	69.00	77.60	78.00	64.40	67.00	65.80	66.20	72.10	69.20	68.50	66.00	76.00	68.00
min	41.40	38.10	30.00	36.00	42.00	32.00	36.30	43.90	44.90	31.20	40.20	44.70	50.00

BLANK-NOT OBTAINED

MONOCYTES

SUBJECT NO.	SCR	DAY 0	DAY 1	DAY 4	DAY 7	DAY 14	DAY 21	DAY 28	DAY 35	DAY 42	DAY 54	DAY 72	DAY 180
01	7.00	6.00	8.00	9.70	7.60	7.40	8.70	7.80	8.60	6.20	9.10	9.70	8.00
02	17.00	11.00	7.00	12.80	10.90	13.20	14.80	8.90	19.00	20.50			
03	6.50	7.80	7.00	6.50	6.20	5.70	6.50	6.20	6.50	7.80	6.00	3.00	8.00
04		3.60	6.10	7.50	7.50	6.00	7.40	8.00	6.00				
05	6.80	8.30	8.90	9.00	12.00	7.00	10.00	8.10					
06	7.00	6.70	8.60	8.00	7.40	7.00	7.10	7.50	7.70	8.20	7.10	7.90	7.00
07	9.00	9.50	9.60	10.90	10.20	10.20	10.00	10.70		10.50	7.00		
08	17.00	14.60	13.50	13.00	15.00								
09	10.50	9.50	9.60	8.90	8.00	11.00	8.10	9.40	10.10	8.00	8.60		
10	5.00	8.30	7.80	10.50	1.00	8.10	8.20	8.90	8.90	8.50	12.80		
11	7.50	8.40	6.00	9.30	6.00	8.60	6.60	6.80		8.10			
12	7.60	6.30	8.30	7.10	8.40	7.10	8.20	8.20	8.00	8.30	7.60		
13	9.20	9.40	10.00	8.10	11.80	10.50	9.90	9.90	11.10	10.30	12.60	8.10	
14	10.00	10.80	12.10	11.00	12.60	12.20	12.50	10.20	12.10				
15	7.00	8.40	6.00	8.40	10.00	8.80	7.50	8.40	6.70	7.60	8.00		8.00
16	6.00	5.70	7.40	7.40	6.90	8.40	6.00	7.80	7.40	7.30			
17	10.20	5.00	8.30										
18	9.60	10.60	8.00	6.00	12.00	11.80	11.00	8.80	10.50	9.80	10.00		
19	7.70	7.40	6.00	8.60	7.60	7.20	7.60	7.30	7.90	7.60	7.30		
20	8.70	6.00	7.00	9.00	7.70	18.00	8.00	10.40	10.60	11.40	8.80	10.40	
21	9.10	6.80	4.80	8.60	7.60	8.70	7.60	8.60	9.00	9.60	8.40	9.00	
average	8.92	8.10	7.86	9.02	8.82	9.31	8.72	8.52	9.38	9.36	8.72	8.02	7.75
stdev	3.14	2.47	2.46	1.88	3.07	2.99	2.21	1.22	3.11	3.27	2.05	2.63	0.50
max	17.00	14.60	13.50	13.00	15.00	18.00	14.80	10.70	19.00	20.50	12.80	10.40	8.00
min	5.00	3.60	2.00	6.00	1.00	5.70	6.00	6.20	6.00	6.20	6.00	3.00	7.00

## LYMPHOCYTES

BLANK-NOT OBTAINED

SUBJECT NO.	SCR	DAY 0	DAY 1	DAY 4	DAY 7	DAY 14	DAY 21	DAY 28	DAY 35	DAY 42	DAY 54	DAY 72	DAY 180
01	27.00	26.00	35.50	33.00	39.50	29.10	28.30	26.20	28.20	25.40	34.10	31.60	24.00
02	33.00	37.00	48.00	31.90	33.50	35.20	35.00	34.00	23.80	39.60			
03	37.70	37.70	40.70	48.20	28.30	43.30	43.30	46.70	39.40	42.90	32.90	16.00	42.00
04		30.20	34.10	30.90	38.80	35.00	26.20	18.50	33.00				
05	38.40	34.10	39.40	45.00	37.00	34.00	34.90	31.00					
06	35.00	27.60	35.10	34.00	32.50	29.40	24.50	33.70	30.60	28.10	33.00	19.10	29.00
07	39.00	40.90	38.10	36.20	31.10	30.20	32.00	24.40		32.30	28.00		
08	31.00	41.70	45.00	34.00	43.00								
09	27.20	22.20	26.00	24.20	23.50	27.00	24.30	21.20	19.50	21.70	24.90		
10	38.50	40.90	39.60	30.20	48.00	32.00	26.20	28.70	32.10	38.70	39.20		
11	26.30	12.90	16.00	44.00	42.00	35.50	30.30	2.20		31.50			
12	30.90	39.60	33.20	39.80	37.00	34.90	37.70	34.90	36.00	35.90	34.50		
13	33.60	35.20	43.60	39.10	30.60	39.60	42.60	42.60	37.80	40.90	42.50	29.20	
14	21.00	31.00	29.20	29.00	24.20	26.50	28.90	21.90	19.80				
15	43.70	46.00	37.00	41.70	31.00	42.60	44.00	31.00	32.00	39.90	37.00		21.00
16	34.00	26.70	32.00	35.20	31.50	30.00	31.00	35.70	34.40	35.70			
17	21.20	22.00	29.50										
18	26.00	36.60	44.00	40.00	36.90	48.10	38.00	36.10	40.80	55.40	44.50		
19	35.90	33.10	44.00	36.10	40.20	24.50	42.90	39.10	37.50	29.90	32.30		
20	36.40	45.00	40.00	42.00	37.90	40.00	38.00	36.10	34.00	50.50	23.60	42.10	
21	27.80	24.00	29.10	26.20	28.80	28.70	32.70	28.60	31.00	35.80	27.60	29.50	
average	32.18	32.88	37.10	36.04	34.77	33.98	33.73	30.14	31.87	36.51	33.39	27.92	29.00
stdev	6.18	8.56	9.16	6.41	6.35	6.39	6.58	9.95	6.39	8.72	6.37	9.37	9.27
max	43.70	46.00	60.00	48.20	48.00	48.10	44.00	46.70	40.80	55.40	44.50	42.10	42.00
min	21.00	12.90	16.00	24.20	23.50	24.50	24.30	2.20	19.50	21.70	23.60	16.00	21.00

TABLE 9a

SUBJECT NO.	SCR	DAY 0	DAY 1	DAY 4	NA-XLS (Converted)															DAY 180
					DAY 7	DAY 14	DAY 21	DAY 28	DAY 35	DAY 42	DAY 54	DAY 72								
01	138	136	137	140	137	140	140	140	142	140	141	139	141							
02	136	136	138	138	137	138	136	148	148	129										
03	140	140	141	136	136	134		140	140	141	140	142	139							
04	141	141	138	134	139	139		141	138											
05	142		136	139	142	142	142	142												
06	142	142	137	141	138	139	141	140	140	138	140	137	135							
07	136		139	132	138	139	140	143	138	141	141									
08	147	138	137	135	137															
09	148	141	142	138	139	139	140	142	140	143	142									
10	137	134	137	132	135	137	135	137	138	138	135									
11	145	135	135	138	137	140	139	138		138										
12	137	139		140	141	141	136	140	138	140	141									
13	140	148	139	141	142	139	138	134	140	139	141									
14	141	138	136	137	137	137	136	140	140											
15	140	139	139	141	141	138	139	140	139	142	139		136							
16	141	141	138	141	139	138	138	140	140	143	139									
17		140	139																	
18	134	135	137	134	137	137	136	141	141	133	138									
19	141	142	137	138	136	138	129	141	137		138									
20	138	139	140	137	138	139	138	142	140	135	138	141								
21	144		137	135	137	139	137	135	142	139	144	143								
average	140	139	138	137	138	139	138	140	140	139	140	140	138							
stdev	04	03	02	03	02	02	03	03	02	04	02	02	03							
max	148	148	142	141	142	142	142	148	148	143	144	143	141							
min	134	134	135	132	135	134	129	134	137	129	135	137	135							

TABLE 9b

POIAS.XLS (Converted)

SUBJECT NO.	SCR	DAY 0	DAY 1	DAY 4	DAY 7	DAY 14	DAY 21	DAY 28	DAY 35	DAY 42	DAY 54	DAY 72	DAY 180
01	3.9	3.5	3.9	3.7	3.6	3.8	3.7	3.3	3.7	3.8	3.6	3.7	4
02	4.1	4.1	4.4	4.2	3.9	4	4.1	3.9	3.6	4.5			
03	3.8	4.3	4.3	4.5	4.1	4.2	4.2	4.2	4.1	4.7	4.1	4.4	4.2
04	3.7	3.5	4.5	3.9	4.2	3.9		4.6	4.4				
05	3.7		4.1	3.6	3.8	3.8	3.7	4			4.3		
06	4.5	4.9	3.9	4	3.8	3.9	4.2	4.2	4.4	4	4.3	4.4	3.9
07	4.6		3.8	3.8	4.3	4.2	4.7	4.4	4.9	4.1	4.4		
08	4.5	4	3.6	3.9	4.1								
09	4.1	4	3.9	3.8	4.1	4	4	4.3	4	4.2	4.3		
10	3.5	3.7	3.9	4	4	4.2	4	3.9	4	4.3	4		
11	3.8	3.9	3.7	4	4.1	4	3.9	3.7	3.7	3.9			
12	4	4.6		4.1	4.4	4.3	4.3	4.1	4.3	4.1	3.9		
13	4.4	4.1	4	3.8	3.9	3.9	4.1	3.6	3.7	4.4	3.8		
14	4.2	3.6	4	4.2	4.8	4.3	4.6	4.1	4.3				4.1
15	3.9	3.5	3.6	3.9	4.1	4	4.1	4.3	4.6	3.8	4.1	4.7	
16	5.1	4.3	4.3	4.5	4.2	4.9	4.3	4.4	4.6	4.4			
17		3.8	3.6										
18	4.6	4.4	4.6	4.5	4.1	4.2	4.2	4.2	4.5	4.2	4.5		
19	4	4.2	3.8	4.2	4.1	4.4	4	4.2	4.2		4	3.5	4.2
20	3.6	3.7	3.8	4.1	3.6	4.3	4.2	3.2	3.7	3.5	4	4.7	4.1
21	4.5	3.8		4.5	4.1	4.3	4.2	4.3	4.4	4.2	4.6		4.5
average	4.1	4	4	4.1	4.1	4.1	4.1	4	4.2	4.1	4.1	4.2	4.1
stdev	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.3	0.3	0.5	0.2
max	5.1	4.6	4.6	4.5	4.8	4.9	4.7	4.6	4.9	4.7	4.6	4.7	4.5
min	3.5	3.5	3.6	3.6	3.6	3.8	3.7	3.2	3.6	3.5	3.6	3.5	3.9

TABLE 9c

BLANK- NOT OBTAINED

CHLORIDE

UNITS-mEq/l

SUBJECT NO.	SCR	DAY 0	DAY 1	DAY 4	DAY 7	DAY 14	DAY 21	DAY 28	DAY 35	DAY 42	DAY 54	DAY 72	DAY 180
01	98	95	101	101	103	105	99	102	105	101	105	108	106
02	100	99	105	103	103	100	98	101	103				
03	107	106	103	105	107	102		104	110	106	106	112	109
04	103	103	104	101	105	105		104	104				
05	106		104	108	104	108	108	106					
06	103	108	107	106	104	106	105	102	105	100	103	104	98
07	102		106	103	104	108	102	108	105	105	106		
08	113	105	104	108	104								
09	113	106	107	108	105	109	105	104	105	106	108	103	
10	102	102	106	107	105	109	104	105	106	108	103		
11	103	106	106	108	104	110	104	104	105	107			
12	103	104		104	105	103	106	105	105	107	105		
13	102	103	103	109	104	104	102	99	105	100	106		
14	104	104	103	108	103	105	106	107	107				
15	103	102	103	107	103	105	106	103	103	100	108		96
16	102	106	107	108	107	104	106	109	109	110	108		
17		101	106										
18	102	102	105	100	104	104	101	102	103	106	100		
19	104	104	104	102	99	104	105	102	106		111		
20	106	104	103	100	102	103	105	103	103	104	107	104	
21	105		102	102	104	100	107	100	105	105	105	109	
average	104	103	104	105	104	105	104	104	105	105	106	107	102
stdev	04	03	02	03	02	03	03	03	02	03	03	03	06
max	113	108	107	109	109	110	108	109	110	110	111	112	109
min	98	95	101	100	99	100	98	99	103	100	100	104	96



UNITS-mEq/l

CO2

BLANK- NOT OBTAINED

SUBJECT NO.	SCR	DAY 0	DAY 1	DAY 4	DAY 7	DAY 14	DAY 21	DAY 28	DAY 35	DAY 42	DAY 54	DAY 72	DAY 180
01	34.20	26.40	28.80	29.80	29.50	26.90	29.00	31.20	25.40	26.30	29.90	28.00	30.90
02	27.10	27.70	26.00	28.50	29.40	30.00	28.20	29.29	26.70				
03	28.00	29.40	29.60	25.30	25.50	24.60		28.70	25.70	24.90	22.40	25.40	28.00
04	24.60	36.20	27.10	27.20	27.10	28.50		25.30	29.00				
05	29.60		25.90	28.30	28.40	29.20	27.10	30.60					
06	33.20	27.10	27.90	31.40	26.70	28.00	28.20	27.90	31.20	23.10	31.20	27.30	30.10
07	31.60		27.80	23.70	26.90	28.00	25.10	29.70	26.00	29.30	25.60		
08	25.40	25.50	26.20	29.70	25.30								
09	25.20	29.50	28.30	27.20	26.00	27.80	26.70	29.60	30.40	30.90	27.50		
10	22.40	20.80	24.10	23.00	21.20	24.30	24.20	24.90	23.20	24.10	22.40		
11	24.20	26.10	27.60	26.90	29.60	28.30	26.10	25.80		26.40			
12	29.20	26.00		24.00	29.00	28.40	24.90	28.50	28.60	25.20	28.80		
13	27.40	28.90	27.70	28.30	27.80	30.70	28.10	26.10	25.00	25.50	29.00		
14	29.10	22.30	24.50	24.30	26.10	24.00	22.30	23.50	21.40				
15	31.10	27.70	29.20	29.60	27.90	25.00	25.50	29.80	27.60	25.50	31.50		
16	33.70	22.00	24.80	26.80	24.20	30.00	26.90	26.40	24.60	23.60	28.90		
17		26.90	26.50										
18	27.70	27.10	25.40	28.20	28.00	24.20	24.10	26.80	29.90	27.00	29.30		
19	29.10	25.90	26.30	27.50	28.50	27.30	28.30	28.50	29.30				
20	28.70	25.50	24.30	26.80	24.90	27.20	26.90	20.10	28.80	23.50	25.70	25.40	
21	29.50		24.80	29.80	26.30	27.90	30.30	26.10	27.60	22.20	30.50	29.40	
average	28.52	26.72	26.64	27.32	26.92	27.38	26.58	27.30	27.08	25.18	27.90	27.10	29.67
stdev	3.19	3.37	1.69	2.30	2.09	2.07	2.05	2.74	2.67	2.82	3.03	1.73	1.50
max	34.20	36.20	29.60	31.40	29.60	30.70	30.30	31.20	31.20	30.90	31.50	29.40	30.90
min	22.40	20.80	24.10	23.00	21.20	24.00	22.30	20.10	21.40	19.90	22.40	25.40	28.00

TABLE 9e

UNITS-mg/dL

## GLUCOSE

BLANK- NOT OBTAINED

SUBJECT NO.	SCR	DAY 0	DAY 1	DAY 4	DAY 7	DAY 14	DAY 21	DAY 28	DAY 35	DAY 42	DAY 54	DAY 72	DAY 180
01	78	89	70	74	83	91	58	60	63	50	73	83	-81
02	75	82	76	72	94	70	53	56	86				
03	71	67	76	74	85	73		75	75	77	52	86	76
04	78	106	76	83	84	91		76	75				
05	84		60	92	69	82	69	82					
06	80	98	75	57	76	57	82	59	90	74	64	80	95
07	70		68	61	67	84	78	94	57	83	74		
08	87	77	53	67	53								
09	67	54	56	63	55	64	60	60	72	66	51		
10	100	93	81	80	62	115	82	75	88	97	64		
11	79	80	87	86	74	67	64	68	85				
12	84	60		45	89	67	83	83	78	81	86		
13	70	58	63	75	55	77	74	83	65	74	106		
14	62	67	58	113	89	71	77	65	48				
15	64	52	53	67	54	62	116	54	60	62	58		93
16	82	66	65	84	92	78	61	76	75	76	89		
17		51	75										
18	66	83	76	74	125	97	63	68	54	82	63		
19	71	98	70	64	135	75	73	75	68				
20	68	80	48	48	61	77	80	30	62	75	76	57	
21	52		77	62	88	69	83	73	74	80	55	85	
average	74	76	68	72	80	77	74	69	70	76	71	78	86
stdev	11	17	11	16	22	14	15	14	12	11	16	12	09
max	100	106	87	113	135	115	116	94	90	97	106	86	95
min	52	51	48	45	53	57	53	30	48	50	51	57	76

TABLE 10a

## ALK PHOSPHATASE

BLANK-NOT OBTAINED

SUBJECT NO.	SCR	DAY 0	DAY 1	DAY 4	DAY 7	DAY 14	DAY 21	DAY 28	DAY 35	DAY 42	DAY 54	DAY 72	DAY 180
01	91	100	89	83	79	90	94	77	88	90	87	88	113
02	81	86	77	80	75	86	81	95	70				
03	46	47	59	45	49	50	54	55	46	51	64	59	65
04	65	62	54		56	55		58	66				
05	63		55	55	59	57	60	70					
06	77	75	72	67	70	71	77	93	96	93	96	100	103
07	89		70	83	74	72	69	84	73	77	80		
08	65	60	56	53	53								
09	67	65	64	69	68	65	73	66	58	61	67		
10	84	78	72	69	74	85	77	81	87	86	85		
11	104	109	110	101	84	110	102		83				
12	67	55		53	56	59		65	65	65	64		
13	68	65	57	55	60	64	65	63	58	64	54		
14	71	77	75	76	76	65	58	59					
15	72	57	53	56	55	52	55		65	53	67		68
16	86	83	80	85	82	88	100	89	80	70	78		
17		81											
18	61	61	60	64	64	59	57	63	66	63	78		
19	78	79	70	75	72	75	69	75	76		81		
20	73	78	71	72	69	62	65	70	66	62	69	76	
21	61		57	58	60	58	59	56	56	53	60	57	
average	73	73	68	68	67	70	71	72	71	68	74	76	87
stdev	13	16	14	14	10	16	15	13	13	14	12	19	24
max	104	109	110	101	84	110	102	95	96	93	96	100	113
min	46	47	53	45	49	50	54	55	46	51	54	57	65

UNITS-g/dL

## ALBUMIN

BLANK-NOT OBTAINED

SUBJECT NO.	SCR	DAY 0	DAY 1	DAY 4	DAY 7	DAY 14	DAY 21	DAY 28	DAY 35	DAY 42	DAY 54	DAY 72	DAY 180
01	4.50	4.60	4.10	4.00	3.70	4.10	4.40	3.90	4.40	4.20	4.20	4.30	4.00
02	4.10	3.60	3.70	3.80	4.20	4.20	4.00	4.00	3.70				
03	4.00	3.70	4.10	3.40	3.40	3.60	4.00	4.30	3.80	4.10	3.70	3.90	4.00
04	4.50	4.10	4.30	4.00	3.90	3.70		4.20	4.30				
05	4.10	3.60	3.70	3.60	3.60	3.70	3.90	4.60					
06	4.30	4.50	4.30	3.90	4.10	3.70	4.20	4.30	4.50	4.20	4.10	3.90	4.60
07	4.30	3.90	3.90	3.90	4.30		4.10	4.20	4.10	4.10	4.10		
08	4.40	4.10	3.80	3.80	3.90								
09	3.80	3.40	3.60	3.60	3.60	3.40	3.80	3.70	3.20	3.60	3.70		
10	3.80	3.70	3.60	3.60	3.50	3.50	3.20	3.70	3.70	3.30	3.80		
11	3.80	3.70	3.90	3.50	3.80	3.70	3.60	3.90	3.50				
12	4.80	4.60	4.60	3.80	3.90	3.90	4.00	4.20	4.20	4.00	3.90		
13	4.20	4.40	3.90	3.60	3.80	3.60	4.00	4.00	4.30	4.80	4.20		
14	3.60	3.30	3.10	3.50	3.70		3.60	3.60	3.60				
15	4.90	4.10	3.80	4.00	4.00	3.80	4.00	4.30	4.30	3.20	3.70		4.70
16	3.80	3.70	3.50	3.60	3.40				3.70				
17			4.20										
18	3.80	3.70	3.60	3.70	3.50	3.50	3.60		3.90	3.40	4.20		
19	4.30	4.30	4.00	4.10	3.90	4.00	3.90	4.20	4.30		4.00		
20	4.50	4.10	4.00	4.20	3.90	3.90	3.90	4.40	4.20	3.70	4.10	4.40	
21	4.30		4.00	4.00	4.10	4.10	4.20	4.20	4.20	3.80	3.90	4.20	
average	4.19	3.95	3.89	3.78	3.81	3.78	3.91	4.10	3.99	3.87	3.97	4.14	4.33
stdev	0.36	0.40	0.33	0.23	0.26	0.24	0.28	0.27	0.37	0.46	0.20	0.23	0.38
max	4.90	4.60	4.60	4.20	4.30	4.20	4.40	4.60	4.50	4.80	4.20	4.40	4.70
min	3.60	3.30	3.10	3.40	3.40	3.40	3.20	3.60	3.20	3.20	3.70	3.90	4.00

TABLE 10c

SUBJECT NO.	SCR	BULXLS (Converted)														DAY 180
		DAY 0	DAY 1	DAY 4	DAY 7	DAY 14	DAY 21	DAY 28	DAY 35	DAY 42	DAY 54	DAY 72				
01	0.40	0.60	0.80	0.50	0.60	0.50	0.70	0.60	0.60	0.70	0.50	0.40	0.70			
02	0.60	0.70	0.50	0.50	0.60	0.50	0.50	0.70	0.40							
03	0.50	0.60	0.90	0.50	0.60	0.40		0.70	0.40	0.70	0.30	0.50	0.50			
04	0.50	0.60	0.60	0.40	0.40	0.40		0.30	0.40	0.50						
05	0.60		0.50	0.60	0.50	0.60	0.60	0.60								
06	1.00	0.80	1.10	0.40	0.70	0.70	0.80	0.80	0.80	1.30	0.80	0.60	1.10			
07	0.60		0.70	0.30	0.40	0.20	0.40	0.50	0.40	0.50	0.40					
08	0.50	0.60	0.60	0.50	0.50											
09	0.60	0.60	0.60	0.90	0.70	0.60	0.80	0.30	0.50	0.50	0.60					
10	0.20	0.30	0.40	0.40	0.30	0.20	0.40	0.30	0.30	0.20	0.30					
11	0.70	0.30	0.60	0.40	0.60	0.60	0.90	0.50		0.50						
12	1.30	1.10		1.00	0.70	0.90	0.60	0.90	0.80	0.90	0.80					
13	1.50	1.90	2.60	1.50	1.30	1.10	0.80	1.70	1.40	2.40	1.10					
14	0.80	0.70	1.00	0.80	0.70	0.60	0.60	1.00	1.00							
15	1.00	0.50	0.80	0.80	0.70	0.90	0.60	0.80	0.70	0.50	0.60					
16	0.30	0.50	0.80	0.80	0.70	0.90	0.60	0.80	0.70	0.50	0.60					
17		0.80	1.00													
18	0.40	0.50	0.60	0.40	0.20	0.20	0.30	0.30	0.50	0.40	0.50					
19	1.00	0.70	1.00	0.90	0.70	0.60	0.60	0.80	0.80		0.70					
20	1.50	1.60	1.60	1.40	1.30	1.20	1.10	1.70	1.20	0.90	1.30	1.70				
21	0.40		0.80	0.80	0.80	0.50	0.70	0.40	0.50	0.60	0.60	0.60				
average	0.72	0.74	0.88	0.69	0.65	0.61	0.65	0.72	0.67	0.74	0.65	0.76	0.77			
stdev	0.38	0.41	0.49	0.33	0.27	0.29	0.20	0.41	0.31	0.53	0.28	0.53	0.31			
max	1.50	1.90	2.60	1.50	1.30	1.20	1.10	1.70	1.40	2.40	1.30	1.70	1.10			
min	0.20	0.30	0.40	0.30	0.20	0.20	0.30	0.30	0.30	0.20	0.30	0.40	0.50			

UNITS-mg/dL

BUN

BLANK- NOT OBTAINED

SUBJECT NO.	SCR	DAY 0	DAY 1	DAY 4	DAY 7	DAY 14	DAY 21	DAY 28	DAY 35	DAY 42	DAY 54	DAY 72	DAY 180
01	16	14	17	10	17	14	18	13	16	15	15	12	-12
02	19	10	10	12	11	12	18	9	8				
03	14	17	16	12	11	12		12	12	15	14	12	15
04	14.8	11.2	16	14	15	11		13	12				
05	9		14	12	12	13	12	8					
06	11	14	16	18	16	14	15	13	12	17	15	12	14
07	20		10	15	16	20	21	16	10	16	13		
08	13	14	18	18	20								
09	14	12	11	14	13	15	14	13	15	18	12		
10	15	11	11	9	10	18	12	7	12	13	8		
11	13	12	10	13	10	13	8	10		9			
12	10	15		12	12	14	14	11	12	10	11		
13	13	14	17	14	13	13	13	11	13	9	19		
14	12	14	12	12	11	13	15	15	15				
15	12	13	11	13	13	12	11	11	11	10	11		16
16	10	14	13	17	14	13	15	15	12	10	15		
17		10.5	9										
18	8	14	9	11	8	10	14	12	10	11	7		
19	16	18	15	17	17	14	18	11	13		12		
20	12	11	10	10	10	12	11	8.3	8	10	9	14.1	
21	25		18	23	21	17	20	22	23	22	24	22	
average	14	13	13	14	14	14	15	12	13	13	13	14	14
stdev	04	02	03	03	03	02	03	03	03	04	04	04	02
max	25	18	18	23	21	20	21	22	23	22	24	22	16
min	08	10	09	09	08	10	08	07	08	09	07	12	12

UNITS-mg/dL

## CALCIUM

BLANK- NOT OBTAINED

SUBJECT NO.	SCR	DAY 0	DAY 1	DAY 4	DAY 7	DAY 14	DAY 21	DAY 28	DAY 35	DAY 42	DAY 54	DAY 72	DAY 180
01	9.40	9.30	8.90	8.50	8.70	8.80	9.10	8.80	9.10	8.30	8.60	8.90	9.20
02	9.20	9.20	9.20	8.80	9.10	9.50	9.30	9.40	8.40				
03	9.30	9.30	9.60	8.30	8.90	6.80		9.10	8.40	9.00	8.70	9.20	9.20
04	9.10	8.70	9.10	8.70	8.70	8.60		9.20	8.80	9.00			
05	8.80		8.30	8.40	8.30	8.20	8.50	9.10					
06	9.10	9.40	8.60	8.30	8.50	7.80	9.20	9.30	9.10	8.80	8.70	8.80	9.10
07	9.00		8.60	8.30	8.90	8.70	9.10	9.10	8.70	8.80	8.50		
08	9.00	8.90	8.50	7.80	8.40								
09	8.60	8.70	8.20	7.90	8.60	8.70	9.00	8.70	7.80	8.50	8.80		
10	8.50	8.90	8.60	7.70	8.60	8.50	8.70	8.60	8.30	8.50	9.00		
11	8.50	8.30	8.20	8.10	8.80	8.20	8.60	8.20		8.00			
12	9.50	9.50		8.80	9.10	9.00	9.30	9.40	9.50	9.10	9.20		
13	9.00	8.90	9.10	8.10	8.30	8.70	9.60	8.70	9.00	9.40	9.00		
14	8.70	8.20	8.30	8.90	8.90	8.70	9.00	9.00	8.60				
15	9.10	8.60	8.60	8.20	8.90	8.70	8.80	8.90	9.00	7.70	8.10		
16	8.60	8.00	8.40	8.30	8.40	8.60	8.90	8.40	8.50	8.30	8.10		
17		9.60	8.70										
18	9.30	8.70	9.10	9.30	9.10	8.70	9.20	8.80	9.00	8.70	9.20		
19	9.10	8.80	8.70	9.20	8.80	9.30	8.90	9.30	9.00		8.80		
20	8.50	8.00	8.30	8.70	8.30	8.50	8.30	9.00	6.80	8.30	8.30	8.80	
21	8.90		8.40	8.80	8.80	8.70	8.80	8.80	9.20	8.10	8.80	9.00	
average	8.96	8.83	8.67	8.46	8.71	8.56	8.96	8.94	8.65	8.57	8.70	9.00	9.17
stdev	0.31	0.49	0.38	0.44	0.27	0.57	0.33	0.33	0.65	0.46	0.36	0.17	0.06
max	9.50	9.60	9.60	9.30	9.10	9.50	9.60	9.40	9.50	9.40	9.20	9.20	9.20
min	8.50	8.00	8.20	7.70	8.30	6.80	8.30	8.20	6.80	7.70	8.10	8.80	9.10

UNITS-mg/dL

## CHOLESTEROL

BLANK-NOT OBTAINED

SUBJECT NO.	SCR	DAY 0	DAY 1	DAY 4	DAY 7	DAY 14	DAY 21	DAY 28	DAY 35	DAY 42	DAY 54	DAY 72	DAY 180
01	200	229	210	198	192	201	210	192	207	188	185	225	184
02		186	167	165	169	177	170	150	118				
03	207	187	225	171	168	175	203	203	167	175	137	146	128
04	191	154	164	179	173	173		171	160				
05	101		92	97	97	101	105	90					
06	191	182	175	172	188	172	201	196	182	177	163	155	176
07	364	308	297	288	326	324	484	440	381	349	171		
08	192	191	186	195	194								
09	202	188	189	200	204	187	214	189	154	182	209		
10	179	164	166	153	158	171	172	171	163	163	171		
11	217	188	186	170	191	158	207	178	192				
12	242	231		224	222	225	232	225	234	206	201		
13	177	183	177	167	162	159	179	160	165	182	166		
14	214	193	185	212	220	206	214	218	220				
15	206	173	184	197	202	213	193	200	201	192	225		
16	173	172	175	175	156	161	166	172	180	157	164		
17													
18	206	173	184	197	202	213	193	200	201	192	225		
19	217	199	196	219	207	201	199	195	222	217	206		
20	119	117	118	114	132	121	141	138	127	139	105	125	
21	184		197	199	198	189	217	199	209	183	185	186	
average	199	190	183	185	188	191	206	194	194	191	180	167	162
stddev	52	39	40	40	44	64	76	67	57	52	33	39	31
max	364	308	297	288	326	424	484	440	381	349	225	225	184
min	101	117	92	97	97	101	105	90	118	109	105	125	126



TABLE 10g

SUBJECT NO.	SCR	HDL XLS (Converted)																	DAY 180
		DAY 0	DAY 1	DAY 4	DAY 7	DAY 14	DAY 21	DAY 28	DAY 35	DAY 42	DAY 54	DAY 72							
01		57	47	41	32		42	50	54	47	39							38	
02		40	40	38	36		40	42	36										
03		66	79	54			52	72	71	47	53	61						50	
04	50			55	60			41	44										
05			39	44	44	43	47	49											
06		38	38	37	85	32	33	36		32	36	35						29	
07	48		47	46	54		55		43	48	50								
08		44	46			54													
09		42	48	42	40		41	48	41	45	52								
10		47	56	45	46	51	53	59	49	43	57								
11	55	57	59		37	48	49	55											
12		65		55	52	52	38	56	64	56	54								
13			54	44	51	41	51	48	50										
14		60	63	58	73	72	83	92	86										
15		64	61	63	64	66	62	74	61	82	89								
16		58	61	58	60	57	61	66	66	71	60								
17		39																	
18		64	61	63	64	66	62		61	83	89								
19		64	61	63	64	66	62	74	61	82	89								
20		44	47	38	36	38	49	46	55	45	46								
21	63		59	40	41	47	41	50	62	55	59								
average	54	53	54	49	52	52	51	56	57	57	59	48						39	
stdev	07	11	11	09	15	12	12	15	13	17	18	18						11	
max	63	66	79	63	85	72	83	92	86	83	89	61						50	
min	48	38	38	37	32	32	33	36	36	32	36	35						29	

TABLE 10h

SUBJECT NO.	SCR	DAY 0	IDL XLS (Converted)											
			DAY 1	DAY 4	DAY 7	DAY 14	DAY 21	DAY 28	DAY 35	DAY 42	DAY 54	DAY 72	DAY 180	
01		150	142	126	121		147	130	132	128	119		111	
02		124	114	105	114		111	80	66					
03		111	135	106			148	116	88	116	73	75	65	
04	119			95	102			122	107					
05			41	44	46		49	33						
06		123	117	122	83	126	147	146		29	118	110	128	
07	307	252		205	229		391		314	290	86			
08		131	122		129									
09		130	123	140	143		157	127	94	122	138			
10		102	98	97	101	99	104	99	98	94	102			
11	133	118	118		117	57	127	109						
12		154		139	150	153	181	160	155	136	122			
13			106	103	98	101	103	93	102					
14		122	114	145	134	125	122	113	125					
15		83	102	120	118	134	123	91	102	87	117			
16		95	103	102	83	92	85	95	101	78	92			
17		150												
18		83	102	120	118	134	123	91	102	87	117			
19		125	127	153	141	139	112	132	151	145	140			
20		53	49	48	67	51	105	79	70	54	60			
21	109		119	133	143	140	162	133	134	118	97			
average	167	124	108	117	118	113	139	108	121	119	106	82	101	
stdev	94	42	26	37	39	33	70	29	57	62	25	26	33	
max	307	252	142	205	229	153	391	160	314	290	140	110	128	
min	109	53	41	44	46	51	49	33	66	29	54	60	65	

UNITS-mg/dL

## TRIGLYCERIDES

BLANK-NOT OBTAINED

SUBJECT NO.	SCR	DAY 0	DAY 1	DAY 4	DAY 7	DAY 14	DAY 21	DAY 28	DAY 35	DAY 42	DAY 54	DAY 72	DAY 180
01	91	110	107	155	197	167	107	64	108	68	136	77	177
02		109	69	113	96	113	95	143	82				
03	65	50	57	55	56	79	38	75	41	64	57	53	56
04	114	125	50	146	56	165		42	46				
05	66		60	47	38	44	46	42					
06	59	106	100	67	101	70	100	70	57	83	46	50	99
07	45	47	41	187	218	199	190	35	124	55	179		
08	62	83	90	59	57								
09	55	80	94	91	105	84	81	73	48	76	99		
10	94	78	64	59	57	108	78	69	84	134	60		
11	145	118	96	123	187								
12	95	60		101	103	65	49	77	74	127			
13	193	88	87	104	69	86	128	95	69	61	183		
14	126	56	41	48	65	45	46	67	46				
15	102	134	108	73	102	65	44	176	190	118	97		
16	73	95	58	78	69	62	104	57	66	42	63		
17		93	63										
18	102	134	108	73	102	65	44	176	190	118	97		
19	147	152	114	140	152	122	139	89	81	136	104		
20	32	46	78	47	47	48	47	41	36	30	34	48	
21	62		95	132	73	55	47	84	66	54	149	60	
average	91	93	79	95	98	91	81	82	83	83	100	58	111
stdev	41	32	24	41	52	46	43	42	47	36	49	12	61
max	193	152	114	187	218	199	190	176	190	136	183	77	177
min	32	46	41	47	38	44	38	35	36	30	34	48	56

TABLE 10j

## CREATININE

BLANK- NOT OBTAINED

SUBJECT NO.	SCR	DAY 0	DAY 1	DAY 4	DAY 7	DAY 14	DAY 21	DAY 28	DAY 35	DAY 42	DAY 54	DAY 72	DAY 180
01	1.00	0.90	0.70	0.80	0.90	1.10	0.90	0.80	0.90	0.90	0.80	0.80	1.00
02	1.60	1.40	1.20	1.40	1.30	1.30	1.40	1.30	1.30				
03	0.80	0.80	1.00	0.80	0.70	0.80		0.80	0.70	0.80	0.80	0.80	0.80
04	1.10	1.00	0.80	0.70	0.70	0.70		0.80	0.80				
05	1.00		1.00	0.90	1.10	1.30	1.10	1.20					
06	0.90	0.90	0.80	0.80	0.80	0.70	0.90	0.80	0.90	0.80	0.80	0.80	0.90
07	0.80		0.60	0.60	0.50	0.80	0.80	0.60	0.80	1.00	0.70		
08	1.00	0.90	0.80	0.90	0.70								
09	1.00	0.90	0.80	0.90	0.90	0.90	0.90	1.00	0.90	0.90	0.90		
10	0.90	0.90	0.70	0.90	0.70	1.00	0.80	0.80	0.90	0.90	1.00		
11	0.70	0.70	0.80	0.70	0.80	0.80	0.70	0.60		0.70			
12	1.00	1.20		1.10	1.00	1.00	1.10	1.10	1.00	1.00	1.00		
13	0.90	1.00	0.90	0.80	0.90	1.00	1.00	0.90	0.90	1.00	1.00		
14	1.00	1.00	0.80	0.90	1.10	1.10	1.00	1.00	0.90				
15	1.00	0.90	1.00	1.00	1.10	1.00	0.90	1.10	1.00	0.90	1.00		0.90
16	1.00	1.00	0.90	0.90	0.90	1.10	0.90	1.00	0.90	0.90	1.00		
17		1.50	1.10										
18	1.00	1.00	1.00	1.10	0.90	0.90	1.00	1.00	1.10	1.00			
19	0.90	0.80	0.90	0.90	0.80	1.00	1.00	0.90	1.00		0.50		
20	1.00	0.90	0.90	0.90	0.80	0.90	0.80	0.90	1.00	0.80	0.90	0.90	
21	1.10		0.80	1.00	1.00	0.90	1.00	1.20	1.00	0.80	1.00	1.00	
average	0.99	0.98	0.88	0.90	0.88	0.97	0.95	0.94	0.94	0.89	0.88	0.86	0.90
stdev	0.18	0.20	0.14	0.17	0.19	0.20	0.16	0.19	0.13	0.09	0.15	0.09	0.08
max	1.60	1.50	1.20	1.40	1.30	1.50	1.40	1.30	1.30	1.00	1.00	1.00	1.00
min	0.70	0.70	0.60	0.60	0.50	0.70	0.70	0.60	0.70	0.70	0.50	0.80	0.80

TABLE 10k

UNITS-IU/L

9GT

BLANK-NOT OBTAINED

SUBJECT NO.	SCR	DAY 0	DAY 1	DAY 4	DAY 7	DAY 14	DAY 21	DAY 28	DAY 35	DAY 42	DAY 54	DAY 72	DAY 180
01													16
02													
03													17
04													
05													
06									14	9	11	10	12
07						21	21	19	6		14		
08													
09						10	13	12	10		10		
10						24	20	24		21			
11					29	27	44	37		22	35		
12				28	26	28	28	28	25	23	37		
13	13	13	9	10	11	12	13	12	10		11		
14	43	84	79	76	84	59	53	47	43				
15	21	19	17	17	15	11	15		20	16	18		
16		31	30	29	26	35	48	51	42	36	35		
17			60										
18			26			43	45		30	26	37		
19			11	11	12	10	9	11	13	10	12		
20			8	6	9	10	10	12	9	8	9		
21			16	15	16	22	15	14	17	13	16	16	
average	26	27	28	24	24	24	26	24	20	18	20	13	15
stdev	16	30	25	23	19	15	16	15	13	09	12	04	03
max	43	84	79	76	69	59	53	51	43	36	37	16	17
min	13	05	08	06	09	10	09	11	06	08	09	10	12

UNITS-IU/L

LDH

BLANK- NOT OBTAINED

SUBJECT NO.	SCR	DAY 0	DAY 1	DAY 4	DAY 7	DAY 14	DAY 21	DAY 28	DAY 35	DAY 42	DAY 54	DAY 72	DAY 180
01	158	158	152	138	130	153	161	163	161	160	140	113	152
02	165	180	208	155	140	175	198	196	195				
03	185	176	242	219	170	231		194	165	292	161	220	191
04	183	176	200	177	157	146		268	194	218			
05	153		189	126	126	120	130	155					
06	134	163	155	152	128	126	133	195	147	170	151	177	161
07	243		252	186	260	181	237	262	392	226	220		
08	179	158	196	181	171								
09	138	135	192	185	191	156	196	261	211	160	149		
10	171	169	154	196	177	156	196	261	211	160	149		
11	191	178	168		152	132	170	204		147			
12	208	259		213	218	208	164	184	185	181	157		
13	156	168	186	117	170	186	120	137	169	176	148		
14	160	189	258	131	126	129	155	202	257				
15	188	166	145	127	166	245	128		175	147	145		192
16	153	157	152	130	119	127	146	194	197	165	149		
17		231	164										
18	230	173	159	147	101	123	107	233	170	134	178		
19	161	247	161	144	118	148	154	162	170		164		
20	252	273	281	267	184	207	171	325	222	195	188	248	
21	163		154	168	134	209	136	209	201	175	196	171	
average	179	186	187	166	157	162	159	211	201	180	164	186	174
stdev	33	39	40	38	38	41	34	48	56	40	23	52	21
max	252	273	281	262	260	245	237	326	392	292	220	248	192
min	134	135	145	117	101	106	107	137	147	134	140	113	152

UNITS-mg/dL

## MAGNESIUM

BLANK- NOT OBTAINED

SUBJECT NO.	SCR	DAY 0	DAY 1	DAY 4	DAY 7	DAY 14	DAY 21	DAY 28	DAY 35	DAY 42	DAY 54	DAY 72	DAY 180
01	2.00	2.00	2.10	2.20		1.90	2.10	2.00	2.00	2.20	2.10	2.10	2.10
02	2.30	1.90		1.60		1.80	2.00	1.80	2.10				
03	2.00	1.90	2.00	1.70		1.90		2.20	1.90	2.10	2.00	2.00	2.40
04	2.30		2.10	1.90	1.90	1.90	1.90		2.00	2.20			
05	1.90		1.90		1.90	1.90							
06	1.90	1.90	2.00	2.00	2.10	1.90	2.00	2.00	1.90	2.10	2.10	2.10	2.00
07	2.20	2.10	2.30		2.10	2.20	2.30	2.30	2.20		2.00		
08	2.10	2.00	2.20		2.20								
09	2.10	2.00	2.10		2.10	2.10	2.20		2.20	2.30	1.90		
10	1.90	1.80	1.80	1.80	1.80	2.20	1.70	1.80	2.00	2.00		1.80	
11	2.40	2.00	2.00	2.30	2.20	2.20	2.10		2.00				
12	2.20	2.20		2.00	2.10	2.10	2.10	2.00	2.10	2.00	1.90		
13	2.10	2.20	2.10	2.10	2.10	2.10	2.10	2.20	2.10	2.20	2.00		
14	2.40	2.20	2.20	2.30	2.20	2.20	2.20	2.30	2.30				
15		2.00	2.10	2.10	1.90	2.10	1.80	2.10	2.10	1.80	1.90		
16	2.20	2.10	2.10	2.00	1.90	2.00	2.00	2.20	2.20	1.90	2.00		
17		2.30	2.20										
18		1.90	2.00	2.00	1.90	1.90	2.10	2.10	2.10	1.90	2.10		
19		2.30	2.20	2.20	2.10	2.20	2.20	2.30	2.30	2.10	2.20		
20	1.80	2.10	2.20	2.10	1.90	1.90	1.70	2.10		1.80	1.80	2.10	
21	2.00		2.00	2.00	2.00	2.00	2.00	1.90	2.10	2.00	2.00	2.20	
average	2.11	2.05	2.08	2.02	2.02	2.03	2.03	2.09	2.09	2.04	2.00	2.05	2.17
stdev	0.18	0.15	0.12	0.20	0.13	0.14	0.17	0.17	0.12	0.16	0.11	0.14	0.21
max	2.40	2.30	2.30	2.30	2.20	2.20	2.30	2.30	2.30	2.30	2.20	2.20	2.40
min	1.80	1.80	1.80	1.60	1.80	1.80	1.70	1.80	1.90	1.80	1.80	1.80	2.00

UNITS-mg/dL

## PHOSPHORUS

BLANK-NOT OBTAINED

SUBJECT NO.	SCR	DAY 0	DAY 1	DAY 4	DAY 7	DAY 14	DAY 21	DAY 28	DAY 35	DAY 42	DAY 54	DAY 72	DAY 180
01	4.00	3.30	2.90	4.20	4.70	3.70	3.60	3.40	4.00	4.30	3.80	4.00	3.30
02	4.70	3.90	4.00	3.90	4.10	5.80	4.60	4.70	4.00				
03	2.80	3.30	2.90	3.00	3.10	3.20	3.50	3.60	3.40	3.40	2.70	2.80	2.90
04	5.10	4.70	3.20	3.50	3.40	4.10		3.00	3.80				
05	3.10		2.80	2.90	3.80	3.40	4.10	2.90					
06	3.90	3.90	3.20	3.50	3.60	3.70	3.90	3.50	3.60	3.30	3.10	3.60	3.30
07	3.00		3.10	3.10	3.30	3.70	4.40	3.50	3.10				
08	3.50	3.40	4.30	4.30	5.10	4.40							
09	4.10	3.50	4.30	3.60	4.30	3.40	3.70	3.10	3.40	3.20	3.80		
10	3.30	3.30	3.50	3.30	3.30	3.00	3.10	3.20	3.30	3.20	3.60		
11	2.90	3.00	3.10	2.90	2.70	2.80	3.50	2.80		2.70			
12	3.00	3.20		3.00	3.70	3.40	3.60	3.90	3.70	3.30	3.50		
13	3.70	3.40	3.90	3.70	3.40	3.90	4.40	3.70	3.30	4.00	4.30		
14	4.50	4.00	3.50	3.60	3.50	4.10		3.40	3.60				
15	3.60	3.40	4.50	4.70	4.70	4.70	3.70	3.40	3.80	3.80	3.10		4.40
16	0.30	3.30	3.10	3.20	3.00	3.00	3.20	2.90	3.20	3.20	3.50		
17		3.40	4.10										
18	3.60	3.70	3.00	3.40	2.80	3.80	4.10	3.00	4.10	3.20	3.80		
19	3.80	3.40	3.50	3.80	3.20	4.00	4.20	3.60	3.70		3.10		
20	3.60	3.20	3.40	3.30	3.50	4.10	4.00	3.00	3.20	3.20	3.60	3.40	
21	3.90		3.60	4.10	4.20	4.40	4.30	3.40	4.40	3.90	3.70	4.10	
average	3.51	3.52	3.50	3.53	3.67	3.83	3.88	3.36	3.62	3.44	3.51	3.58	3.48
stdev	0.98	0.40	0.52	0.53	0.66	0.69	0.44	0.46	0.36	0.44	0.42	0.52	0.64
max	5.10	4.70	4.50	4.70	5.10	5.80	4.60	4.70	4.40	4.30	4.30	4.10	4.40
min	0.30	3.00	2.80	2.50	2.70	2.80	3.10	2.60	3.10	2.70	2.70	2.80	2.90



TABLE 100

SUBJECT NO.	SCR	PROT XLS (Converted)														DAY 180
		DAY 0	DAY 1	DAY 4	DAY 7	DAY 14	DAY 21	DAY 28	DAY 35	DAY 42	DAY 54	DAY 72				
01	8.50	8.80	7.90	7.60	7.40	7.90	8.50	7.30	7.10	8.00	-7.70	7.90	8.10			
02	7.30	7.40	7.00	6.80	6.90	7.60	7.20	7.30	6.90							
03	7.20	6.60	7.60	6.10	6.00	6.40		7.40	6.10	6.50	6.60	6.70	7.10			
04	7.30	6.60	7.20	6.90	6.90	6.60		7.60	7.20	7.60						
05	6.70		6.40	6.10	6.10	6.20	6.50	7.60								
06	7.70	7.40	7.20	6.90	7.00	6.60	7.60	7.70	8.00	7.40	7.40	7.30	7.80			
07	7.80		6.90	6.70	7.70	7.30	7.50	7.60	7.60	7.00	7.10					
08	8.20	7.50	7.40	7.10	7.50											
09	7.10	6.50	6.40	6.50	6.80	6.60	7.00	6.70	5.90	6.70	6.80					
10	7.50	7.20	7.30	7.00	7.00	7.40	6.60	7.40	7.20	6.80	7.60					
11	7.90	7.80	7.50		8.20	6.70	7.40	7.20		6.90						
12	8.50	7.50		7.40	7.20	7.60	7.50	7.50	7.70	7.20	7.20					
13	7.50	7.50	6.70	6.30	6.70	6.60	7.10	6.90	7.00	7.90	7.00					
14	7.20			7.20	7.50	7.10	7.10	7.10	6.90							
15	8.20	7.20	6.50	6.90	6.70	6.50	6.80		7.40	5.80	6.30					
16	7.10	7.00	6.60	6.90	6.50	6.50	6.70	7.00	6.90	6.20	7.00					
17		8.10	7.10													
18	7.20	7.00	6.80	7.00	6.70	6.60	6.70	7.20	7.00	6.60	7.90					
19	6.80	6.70	6.20	6.80	6.30	6.50	6.30	6.60	6.80		6.40					
20	7.10	7.00	6.90	7.50	6.80	6.70	6.70	8.00	7.00	6.30	6.50	7.50				
21	7.20		6.80	7.00	7.00	6.90	6.90	7.40	7.10	6.70	6.90	7.10				
average	7.50	7.28	6.97	6.88	6.95	6.86	7.06	7.31	7.05	6.91	7.03	7.30	7.67			
stdev	0.53	0.59	0.45	0.42	0.54	0.48	0.53	0.36	0.51	0.62	0.49	0.45	0.51			
max	8.50	8.80	7.90	7.60	8.20	7.90	8.50	8.00	8.00	8.00	7.90	7.90	8.10			
min	6.70	6.50	6.20	6.10	6.00	6.20	6.30	6.60	5.90	5.80	6.30	6.70	7.10			

BLANK..OT OBTAINED

SGOT(AST)

UNITS-IU/L

SUBJECT NO.	SCR	DAY 0	DAY 1	DAY 4	DAY 7	DAY 14	DAY 21	DAY 28	DAY 35	DAY 42	DAY 54	DAY 72	DAY 180
01	18	19	19	15	17	17	19	15	13	14	14	17	22
02	21	29	26	21	18	22	20	17	18				
03	15	18	24	19	14	22		22	16	37	16	25	21
04	18	17	17	15	18	17		17	18	19			
05	11		14	13	13	3	10	14					
06	16	16	15	14	19	16	22	23	19	16	18	15	19
07	20		25	14	61	24	26	28	30	23	21		
08	14	13	11	12	13								
09	20	16	16	17	15	16	13	62	50	12	16		
10	16	17	14	17	15	18	14	18	16	15	18		
11	17	18	15		14	10	16	16		11			
12	25	27		18	20	21	20	18	17	19	15		
13	16	16	17	14	14	11	13	18	17	20	16		
14	18	17	14	13	13	13	12	12	14				
15	18	15	14	13	13	16	11		16	13	11		25
16	26	22	20	23	26	28	27	30	22	23	29		
17		26	23										
18	28	28	22	13	16	24	19	19	13	18	17		
19	15	13	12	4	8	10	10	9	11		15		
20	14	18	16	19	16	14	17	26	16	12	17	17	
21	17		18	16	15	19	14	20	18	13	21	22	
average	18	19	18	16	18	17	17	21	19	18	17	19	22
stdev	04	05	04	03	11	05	05	11	09	07	04	04	03
max	28	29	26	23	61	28	27	62	50	37	29	25	25
min	11	13	11	09	08	09	10	09	11	11	11	15	19

BLANK NOT OBTAINED

SGPT(ALT)

UNITS-IU/L

SUBJECT NO.	SCR	DAY 0	DAY 1	DAY 4	DAY 7	DAY 14	DAY 21	DAY 28	DAY 35	DAY 42	DAY 54	DAY 72	DAY 180
01	15	17	16	11	17	19	20	15	9	10	9	11	18
02	24	32	29	27	27	32	26	21	14				
03	11	13	16	13	11	21		13	15	24	15	16	17
04	16	20	21	20	30	34		22	13	14			
05	6		10	9	9	8	6	8					
06	16	15	14	11	18	20	25	29	18	10	15	8	21
07	13		16	12	25	45	58	40	29	20	14		
08	9	8	6	6	6								
09	27	17	15	14	11	11	9	45	28	18	19		
10	9	11	19	7	11	17	15	17	12	14	15		
11	15	11	11		6	9	11	9	15	8			
12	16	13		13	14	20	19	17	9	13	13		
13	6	8	7	5	4	9	6	6	6	10	10		
14	32	20	17	13	15	13	14	16	12				
15	16	13	11	8	11	12	13		23	16	13		21
16	36	27	25	30	46	70	68	36	28	28	43		
17		30	27										
18	22	16	14	11	16	39	31	29	16	19	14		
19	13	13	11	10	11	16	11	14	12		12		
20	11	10	10	10	11	12	15	10	13	10	9	10	
21	16		13	14	12	16	17	17	11	13	18	13	
average	16	16	15	13	18	22	21	20	16	15	16	12	19
stdev	08	07	06	06	15	16	17	11	07	06	08	03	02
max	36	32	29	30	65	70	68	45	29	28	43	16	21
min	06	08	06	05	04	08	06	06	06	08	09	08	17

BLANK- NOT OBTAINED

## URIC ACID

UNITS-mg/dL

SUBJECT NO.	SCR	DAY 0	DAY 1	DAY 4	DAY 7	DAY 14	DAY 21	DAY 28	DAY 35	DAY 42	DAY 54	DAY 72	DAY 180
01	5.60	6.60	6.90	5.80	6.10	7.30	7.40	6.00	6.90	6.30	6.10	5.80	6.90
02	6.30	5.70	5.70	5.50	6.00	5.80	6.30	5.00	4.20				
03	3.20	3.80	5.50	4.40	3.70	3.90		4.80	3.80	4.50	3.70	4.30	4.70
04	5.20	5.10	5.10	5.50	5.20	5.00		5.80	5.80	5.20			
05	5.80		6.40	5.60	5.70	5.60	5.70	5.40					
06	4.80	4.50	4.70	4.00	4.80	4.40	4.60	4.50	4.30	5.20	5.30	4.40	5.00
07	6.30		4.90	4.80	4.80	5.70	5.60	7.30	5.10	6.00	5.80		
08	5.50	5.40	5.40	5.70	5.40								
09	6.10	4.50	4.30	4.80	5.00	5.60	5.40	4.30	5.70	4.80	4.60		
10	3.90	3.80	3.70	4.70	3.90	5.10	4.50	4.30	4.50	4.60	4.10		
11	4.10	6.50	4.50	3.90	3.40	3.80	4.00	4.60		3.90			
12	4.40	6.00		5.20	5.00	5.20	5.20	5.60	5.40	4.80	5.20		
13	4.60	4.80	4.80	4.80	4.10	4.70	5.00	4.90	4.20	4.70	4.80		
14	5.30	6.10	6.00	6.90	6.60	7.10	6.60	6.70	5.70				
15	6.60	6.00	6.40	7.00	6.60	6.60	5.90	5.50	6.10	6.30	5.80		6.40
16	4.80	5.10	4.90	5.50	5.30	5.20	5.60	5.10	4.90	5.10	4.90		
17		8.10	7.30										
18	5.40	6.10	5.60	5.10	5.50	5.80	6.10	6.70	5.80	4.70	4.80		
19	6.60	6.50	6.40	6.90	6.40	6.80	6.50	5.90	6.70		6.60		
20	5.60	5.70	5.60	5.70	5.40	6.10	6.60	6.20	5.70	5.40	5.70	5.60	
21	5.70		5.10	5.90	5.30	5.80	5.40	5.20	5.80	5.50	5.40	5.30	
average	5.29	5.57	5.46	5.39	5.21	5.54	5.70	5.46	5.33	5.13	5.20	5.08	5.75
stdev	0.93	1.08	0.91	0.88	0.92	0.96	0.87	0.85	0.90	0.68	0.79	0.69	1.07
max	6.60	8.10	7.30	7.00	6.60	7.10	7.40	7.30	6.90	6.30	6.60	5.80	6.90
min	3.20	3.80	3.70	3.90	3.40	3.80	4.00	4.30	3.80	3.90	3.70	4.30	4.70

80

UNITS-/LFP

URINALYSIS-CASTS

SUBJECT NO.	SCR	DAY 0	DAY 1	DAY 4	DAY 7	DAY 14	DAY 21	DAY 28	DAY 35	DAY 42	DAY 54	DAY 72	DAY 180
01													
02													
03													
04													
05													
06													
07													
08													
09													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													

none was found.

UNITS- NONE

URINALYSIS-OCCULT BLOOD

BLANK-NOT OBTAINED

SUBJECT NO.	SCR	DAY 0	DAY 1	DAY 4	DAY 7	DAY 14	DAY 21	DAY 28	DAY 35	DAY 42	DAY 54	DAY 72	DAY 180
01	-	-	-	-	-	-	-	-	-	-	-	-	-
02	-	-	-	-	-	-	-	-	-	-	-	-	-
03	4+	-	1+	-	-	-	4+	1+	1+	-	-	4+	4+
04	-	-	-	-	-	-	-	-	-	-	-	-	-
05	-	-	-	-	-	-	-	-	-	-	-	-	-
06	-	-	-	-	-	-	-	-	-	-	-	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-	-
08	-	-	-	-	-	-	-	-	-	-	-	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	1+	-	-	-	-	-	4+	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	+	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	1+	+	+	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 11c

## URINALYSIS-RBC

## BLANK-NOT OBTAINED

SUBJECT NO.	SCR	DAY 0	DAY 1	DAY 4	DAY 7	DAY 14	DAY 21	DAY 28	DAY 35	DAY 42	DAY 54	DAY 72	DAY 180
01	0	0	0	0	0	0	0	0	18	1	1	0	3
02	0	0	0	0	0	0	0	0	18				
03	50	0	2	0	0	0	13	9	1	3	6	1	1
04	0	0	0	2	1	0	0	5	0				
05	0	16	0	0	0	0	1	0	2				
06	1	15	0	0	0	0	0	1	0	0	0	0	1
07	1	0	0	0	0	0		1	0	0	0		
08	0	0	0	0	0								
09	0	0	0	0	0	0	0	0	1	0			
10	0	0	0	0	0	0	0	0	1	0	0		
11	2	0	0	0	0	0	0	1	0	0	0		
12	0	0	0	0	0	0	0	1	1	0	0		
13	0	0	0	0	0	0	0	0	0	1	0		
14	2	0	0	0	0	0	0	0					
15	0	0	0	0	0	2	2	0	0	0	0	0	0
16	0	0	0	0	0	0	1	0	0	0	0		
17	0	0	0										
18	0	3	0	0	0	0	0	0	0	0	0		
19	0	0	0	0	0	0	0	0	0	0	0		
20	0	0	0	0	0	0	0	0	2	0	0	0	
21	0	0	0	0	0	0	0	0	0	0	0	3	
average	03	02	00	00	00	00	01	01	02	00	01	01	01
stdev	11	05	00	00	00	00	03	02	06	01	02	01	01
max	50	16	02	02	01	02	13	09	18	03	06	03	03
min	00	00	00	00	00	00	00	00	00	00	00	00	00

UNITS-NONE

## URINALYSIS-WBC

BLANK-NOT OBTAINED

SUBJECT NO.	SCR	DAY 0	DAY 1	DAY 4	DAY 7	DAY 14	DAY 21	DAY 28	DAY 35	DAY 42	DAY 54	DAY 72	DAY 180
01	0	0	0	0	0	0	0	0	2	0	0	0	2
02	1	0	0	0	0	0	0	2	0				
03	0	0	0	0	1	0	0	11	15	3	2	0	0
04	1	0	0	0	1	0	0	3	0	0			
05	0	0	0	0	0	0	1	0	1				
06	1	2	1	0	0	0	0	1	0	0	0	0	0
07	1	0	0	0	0	0	0	0		0	0	0	
08	0	0	0	3	0								
09	0	0	0	1	0	0	0	0	0	0	0		
10	0	0	4	5	0	0	0	0	2	0	0		
11	4	19	0	1	2	0	0	1	0	0	0		
12	0	3	0	0	0	0	0	1	1	0			
13	0	0	0	0	0	0	0	0	0	1	0		
14	0	0	0	0	0	0	0	0					
15	0	0	0	0	0	0	2	0	0	0	0		
16	0	0	0	0	0	0	2	0	0	0			
17	0	1	0	0	0	0	0	0	0	0			
18	0	0	0	0	0	0	0	0	0	0	0		
19	0	0	0	0	0	1	0	2	0	0	0		
20	0	8	0	0	0	0	0	0	1	0	2		
21	0	0	0	0	0	0	0	0	1	0	0	2	
average	0.381	1.571	2.143	0.476	0.19	0.05	0.25	1.05	1.278	0.235	0.308	0.4	0.667
stdev	0.921	4.4	8.719	1.25	0.512	0.224	0.639	2.502	3.495	0.752	0.751	0.894	1.155
max	4	19	40	5	2	1	2	11	15	3	2	2	2
min	0	0	0	0	0	0	0	0	0	0	0	0	0



UNITS-NONE

## URINALYSIS-SPECIFIC GRAVITY

BLANK-NOT OBTAINED

SUBJECT NO.	SCR	DAY 0	DAY 1	DAY 4	DAY 7	DAY 14	DAY 21	DAY 28	DAY 35	DAY 42	DAY 54	DAY 72	DAY 180
01	1.026	1.023	1.031	1.03	1.026	1.027		1.029	1.029	1.022	1.032	1.031	1.018
02	1.026	1.015	1.018	1.022	1.025	1.021	1.019	1.025	1.015				
03	1.009	1.019	1.016	1.007	1.019	1.005	1.005	1.019	1.022	1.022	1.019	1.019	1.021
04	1.027	1.016	1.018	1.026	1.026	1.014	1.027	1.03	1.028				
05	1.015	1.008	1.016	1.025	1.019	1.026	1.023	1.009	1.013				
06	1.028	1.012	1.026	1.026	1.022	1.023	1.025	1.027	1.027	1.021	1.025	1.026	1.02
07	1.034	1.022	1.023	1.008	1.009	1.011		1.027	1.029	1.028	1.03		
08	1.033	1.021	1.015	1.029	1.029								
09	1.029	1.007	1.026	1.029	1.02	1.019	1.02	1.016	1.028	1.022			
10	1.026	1.015	1.008	1.018	1.01	1.02	1.015	1.018	1.03	1.007	1.007		
11	1.03	1.026	1.019	1.026	1.019	1.025	1.019	1.027		1.027			
12	1.005	1.03	1.031	1.016	1.031	1.021	1.012	1.03	1.03	1.013	1.022		
13	1.025	1.025	1.016	1.019	1.022	1.016	1.018	1.28	1.026	1.026	1.026		
14	1.029	1.014	1.02	1.004	1.004	1.019	1.022	1.025					
15	1.016	1.005	1.016	1.016	1.022	1.018	1.019	1.007	1.017	1.016	1.02		1.033
16	1.009	1.015	1.026	1.029	1.025	1.025	1.027	1.029	1.028	1.027			
17	1.03	1.034											
18	1.018	1.017	1.021	1.016	1.01	1.021	1.02	1.01	1.025	1.022	1.021		
19	1.026	1.031	1.028	1.019	1.015	1.013	1.016	1.019	1.021	1.014	1.018		
20	1.027	1.028	1.025	1.022	1.02	1.017	1.016		1.032	1.017	1.028	1.013	
21	1.021	1.025	1.016	1.025		1.019	1.021	1.009	1.026	1.026	1.028	1.029	
average	1.023	1.023	1.031	1.03	1.026	1.027	1.019	1.029	1.029	1.022	1.032	1.031	1.018
stdev	0.008	0.008	0.006	0.008	0.007	0.006	0.005	0.062	0.006	0.006	0.007	0.007	0.007
max	1.027	1.034	1.031	1.03	1.031	1.027	1.027	1.28	1.032	1.028	1.032	1.031	1.033
min	1.005	1.005	1.008	1.004	1.004	1.005	1.005	1.007	1.013	1.007	1.007	1.013	1.018

- 87 -

[illegible]

[illegible]

TABLE 12a

[illegible]



BLANK- NOT OBTAINED

42	43	44	45	48	51	54	57	72	180
12HR	AM	AM	AM	AM	AM	AM	AM	AM	AM
71	56	58	60	59	54	68	64	74	84
58	73	70	74	69	64	65	61	62	60
53	59	57	55	64	61	64	63	66	83
55	36		74	68	65	83	78	67	67
52	50	55		54	60	56	69	51	62
72	71	79		70	81	81			
70	68	68	79						
60	58	61	55	67	74	60	78	64	69
49	50	62	64	49	59	62	62	59	62
75	75	69	63	61	78	68	63	111	87
75	78	96						74	83
60	57	73	75		80	86	81	90	
62	62	69	65	74	80	74	63	58	
55	58	54	53	58	65	58	51	55	
57	55	71	70	74	93	71	72		
62	60	67	66	64	70	69	67	69	73
09	11	11	09	08	11	10	09	17	11
75	78	96	79	74	93	86	81	111	87
49	36	54	53	49	54	56	51	51	60

- 91 -

DAY	0	1	1	1	1	1	1	1	1	1	1	1	1	2	3	4	4	4	4	4	4	5	6	
SUBJECT NO.		PRE	.5HR	1HR	2HR	3HR	4HR	6HR	8HR	10HR	12HR	PRE	PRE	PRE	PRE	2HR	4HR	6HR	8HR	12HR	PRE	PRE		
01	146	138	148	136	156	154	154	136	148	148	142	150	160	170	162	158	146	156	158	158	160	154		
02	162	162	164	170	168	172	174	166	156	156	168	158	160	152	152	150	152	142	158	162	140			
03	174	162	166	174	154	164	172	172	170	184	184	170	180	196	198		186	176	198	178	148			
04	162	156	160	164	162	148	156	160	150	152	156	156	158	158	162	162	168	154	154	154	156			
05	150	160	160	156	150	154	156	148	144	154	160	156	170	166	162	144	150	154	152	158	164			
06	136	142	154	144	146	154	130	124	148	140	136	142	150	136	144	142	140	142	140	142	136			
07	160	148	154	150	134	130	146	158	152	164	158	164	156	154	160	150	156	150	156	158	156			
08	146	150	136	134	128	150	144	136	128	134	120	158	158	162	144	130	138	138	146	140	166			
09	168	170	168	168	160		148	148	154	150	154	162	168	166	160	142	140	143	152	158	168			
10	140	144	140	142	142	132	126	132	124	130	138	144	148	114	140	130	143	140	134	118	140			
11	136	130	128	132	132	130	128	130	126	128	128	130	136	136	146	140	140	138	140	144	150			
12	164	164	172	164	162	156	156	166	164	164	170	166	138	176	168	166	166	166	170	176	168			
13	150	152	154	156	150	138	146	142	144	142	144	160	164	164	154	148	140	140	144	160	156			
14	170	170	172	178	180	170	168	174	180	168	174	166	176	182	180	174	164	176	182	176	180			
15	150	146	152	148	148	126	138	146	148	116	150	146	152	150	148	146	148	150	152	146	150			
16	174	182	172	180	178	180	178	178	164	180	174	178	182	178	184	176	180	174	188	182	184			
17	174	178	176	194	176	176	172	160	160															
18	140	142	142	142	142	144	140	138	130	140	136	140	154	152	146	142	142	144	152	150	160			
19	126	136	136	134	134	134	130	132	134	128	132	138	130	136	132	128	128	124	130	128	134			
20		142	146	142	154	146	136	138	138	142	138	140	148	144	150	148	140	152	132	152	142			
21	154	180	152	156	170	170	160	156	160	172	162	158	148	164	160	158	152	162	150	154	176			
average	154	155	155	155	154	154	151	150	149	148	150	151	155	158	158	149	151	153	155	156	157			
stdev	14	15	14	17	15	15	17	16	16	15	18	18	12	14	19	16	14	15	13	18	15			
max	174	182	176	194	180	180	178	178	180	184	184	184	178	182	196	198	176	186	176	198	182			
min	126	130	128	132	128	128	126	126	124	124	116	120	130	114	132	128	124	130	128	118	134			

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BLANK- NOT OBTAINED

43	44	45	48	51	54	57	72	180
AM	AM	AM	AM	AM	AM	AM	AM	AM
148	148	154	146	150	158	160	160	160
150	158	176	162	154	136	174		178
130	134	122	124	11	138	146	128	
170		168	182	182	154	130	170	182
166	162		158	142	154	152	172	158
146	148	13	136	140	152			
146	138	128						
170	166	174	176	168	180	166	166	172
160	152	152	126	148	142	154	140	
146	144	146	148	142	138	148	140	140
170	178						180	174
140	126	132		138	132	146	132	
130	118	136	130	124	132	118	124	
148	142	138	146	138	146	138	134	
160	146	142	154	162	136	134		
152	147	137	149	138	146	147	150	166
14	16	41	19	41	14	16	20	15
170	178	176	182	182	180	174	180	182
130	118	13	124	11	132	118	124	140

[illegible]

[illegible]

[illegible]

BLANK- NOT OBTAINED

43	44	45	48	51	54	57	72	180
AM	AM	AM	AM	AM	AM	AM	AM	AM
100	86	92	80	84	84	86	98	84
84	92	94	80	82	80	86		86
108	108	110	114	110	112	106	110	104
112		108	108	112	108	106	108	108
102	94		94	102	94	96	94	90
74	74		76	74	72			
76	76	84						
92	96	92	86	88	86	88	88	90
92	94	92	90	90	88	88	96	94
108	102	104	104	102	98	100	102	104
84	84						84	84
92	98	92		94	92	94	86	
78	80	76	78	80	74	74	82	
84	86	96	102	90	96	108	82	
104	106	108	106	110	96	104		
93	91	96	93	94	91	95	94	94
12	11	10	13	12	12	11	10	09
112	108	110	114	112	112	108	110	108
74	74	76	76	74	72	74	82	84

- 99 -

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	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
PRE	2HR	4HR	6HR	8HR	12HR	PRE	PRE	PRE	PRE	PRE	PRE	PRE	PRE	2HR	4HR	6HR	8HR	12HR	PRE	PRE	PRE	PRE	PRE
369	411	402	399	389	403	405	398	403	389	389	404	396	404	404	404	402	406	404	372	393	385	401	427
409	401	408	419	507	420	425	419	406	428	433	418	413	464	416	416	450	422	452	434	422	411	428	434
401	414	403	404	404	407	401	383	404	405	402	388	405	402	382	382	403	403	408	386	410	399	410	408
406	398	402	396	400	402	398	400	398	401	400	400	401	402	398	404	399	402	399	402	396	403	399	399
411	374	395	399	369	413	400	389	396	405	403	416	417	395	396	409	370	401	391	387	394	416	407	407
391	355	374	388	387	382	390	356	364	360	359	359	346	350	382	374	389	381	377	387	369	388	380	380
414	398	435	419	411	453	418	418	414	401	423	412	408	407	446	440	485	424	408	418	403	411	420	420
387	398	409	394	398	384	402	417	390															
372	358	389	407	396	406	399	428	411	391	413	423	398	412	406	393	411	417	383	407	403	416	374	374
410	419	405	399	418	406	414	414	438	420	418	406	402	406	442	439	450	420	414	426	411	431	440	440
421	434	424	429	437	410	424	423	430	427	412	407	438	409	447	436	439	452	448	446	424	437	431	431
382	399	391	394	378	392	394	400	403	404	401	401	394	392	375	401	391	396	395	399	369	397	393	393
407	403	396	374	401	399	411	394	396	379	403	391	389	398	408	371	438	410	403	407	395	417	389	389
412	413	416	412	420	420	413	413	424	428	421	418	413	419	413	413	405	417	407	412	422	401	422	422
398	383	395	365	394	371	397	396	401	404	388	401	396	398	430	410	409	398	400	385	375	403	409	409
405	404	401	400	399	407	406	405	400	408	397	411	402	416	403	404	403	400	399	402	412	396	403	403
421	410	438	435	422	421	418	451	422	416	419	440	430	425	428	428	425	420	428	426	437	424	431	452
403		403	413	421	408	403	409	406	407	408	393	416							403	399	415	405	411
407	411	413	408	400	405	411	407	413	409	425	415	411	405	410	410	426	424	409	417	411	411	402	402
417	411	420	408	421	426	409	416	407	416	419	409	400	411	406	416	403	410	415	419	405	412	426	426
402	400	406	403	409	407	407	407	406	405	407	406	404	406	411	411	411	415	414	404	409	401	411	412
15	20	15	17	28	18	10	19	16	17	17	17	19	21	21	21	21	26	18	19	17	17	13	21
421	434	438	435	507	453	425	451	438	428	433	440	438	464	447	450	485	452	448	446	424	437	452	452
369	355	374	365	369	371	390	356	364	360	359	359	346	350	375	371	370	381	372	385	369	388	374	374

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43	44	45	48	51	54	57	72	180
AM	AM	AM	AM	AM	AM	AM	AM	AM
407	412	396	385	383	396	398	410	397
401	401	404	403	404	385	397	401	406
382	352	337	384	389	388	385	375	402
364	442	432	428	444	428	424		424
418	413		404	454	384	433	367	388
430	415		406	411	404			
434	427	463						
391	411	394	403	406	398	415	360	411
396	422	421	408	404	404	406	412	394
415	401	395	389	399	347	383	432	397
419	422						399	416
423	445	440		424	419	415	416	
406	398	393	406	415	367	401	403	
414	411	411	412	414	407	382	409	
401	411	422	434	410	468	411	446	
407	412	409	405	412	400	404	403	404
19	21	31	15	20	29	16	25	11
434	445	463	434	454	468	433	446	424
364	352	337	384	383	347	382	360	388